

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
 Data File : VL039339.D
 Acq On : 24 Jun 2022 13:45
 Operator : SY/AP
 Sample : N3489-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1-20220622

Manual Integrations
 APPROVED

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

Quant Time: Jun 27 01:50:12 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	1218318	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.169	114	3393751	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.076	117	3089163	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 2348402 9.195 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	24982m	0.117	ppbv	
9) Propene	3.015	41	167476	2.478	ppbv	93
10) Heptane	8.118	43	38398	0.244	ppbv #	82
11) Trichlorofluoromethane	3.944	101	61543	0.318	ppbv	85
13) Ethanol	3.597	45	66650m	18.081	ppbv	
15) Acetone	3.842	43	6795632	53.547	ppbv	95
17) tert-Butyl alcohol	4.285	59	78512	0.798	ppbv #	92
19) Isopropyl Alcohol	3.954	45	803368	13.497	ppbv #	1
20) Methylene Chloride	4.343	84	125474	2.346	ppbv	91
26) Hexane	5.687	57	102674	0.817	ppbv #	33
27) Carbon Disulfide	4.549	76	36332	0.279	ppbv #	63
29) Chloroform	5.751	83	26208	0.124	ppbv #	83
34) 2-Butanone	5.237	43	1008862	5.472	ppbv	96
44) 2,2,4-Trimethylpentane	7.864	57	80738m	0.168	ppbv	
51) 2-Hexanone	10.131	43	270007	1.257	ppbv #	96
52) Tetrachloroethene	11.211	164	23405m	0.218	ppbv	
53) Toluene	9.796	91	93512m	0.295	ppbv	
59) m/p-Xylene	12.957	91	71295m	0.190	ppbv	
60) o-Xylene	13.684	91	53837m	0.153	ppbv	
74) 1,2,4-Trimethylbenzene	16.751	105	70652	0.170	ppbv #	67

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

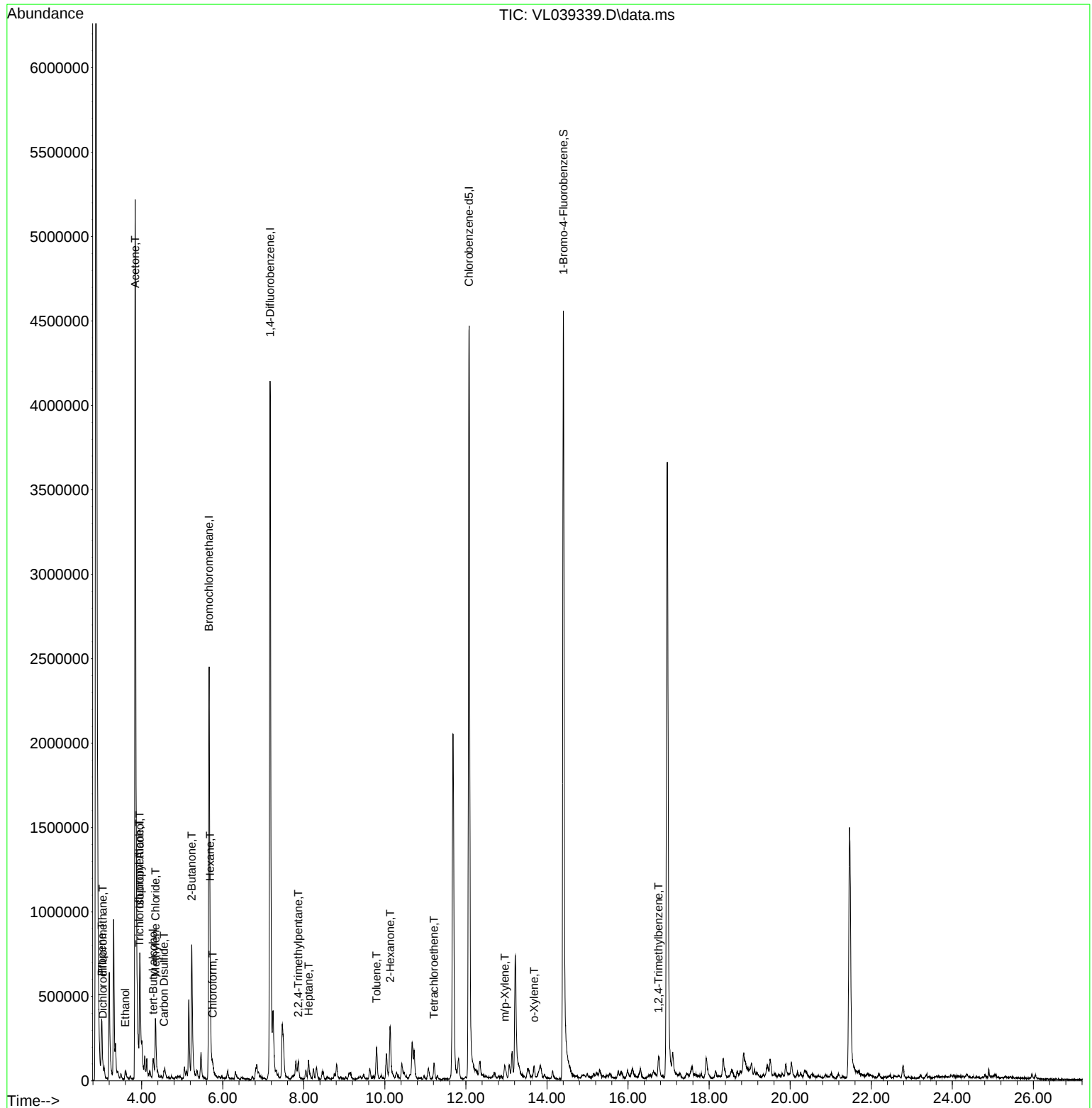
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
Data File : VL039339.D
Acq On : 24 Jun 2022 13:45
Operator : SY/AP
Sample : N3489-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

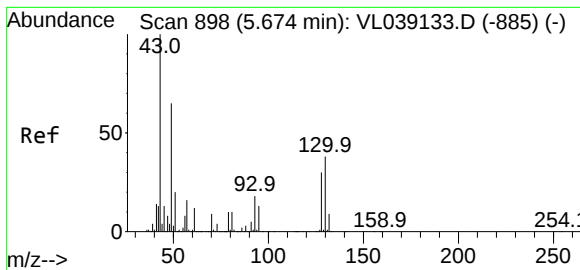
Instrument :
MSVOA_L
ClientSampleId :
SV-1-20220622

Quant Time: Jun 27 01:50:12 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

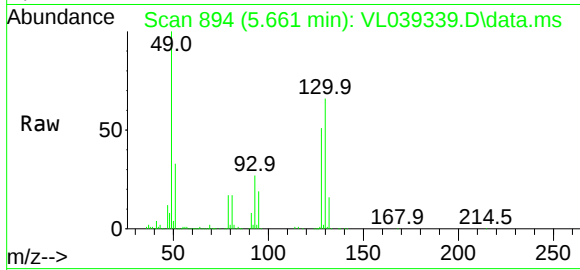
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 89
Delta R.T. -0.013 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

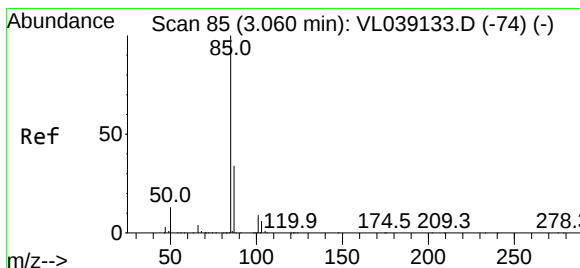
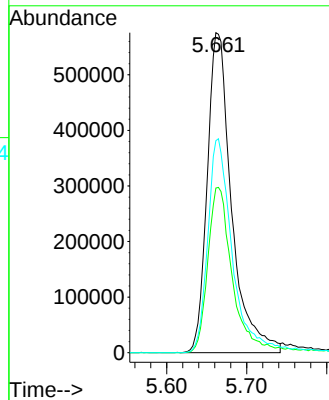
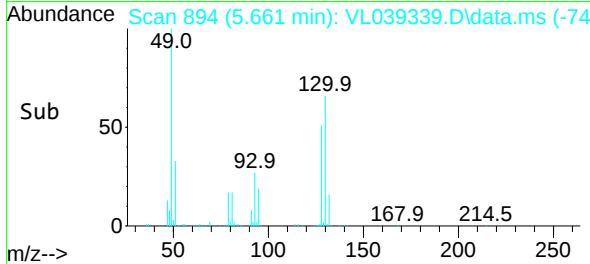
Instrument :
MSVOA_L
ClientSampleId :
SV-1-20220622



Tgt Ion: 49 Resp: 1218318
Ion Ratio Lower Upper
49 100
128 54.2 24.7 74.1
130 69.5 31.4 94.0

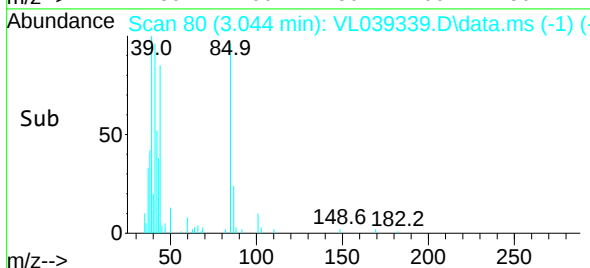
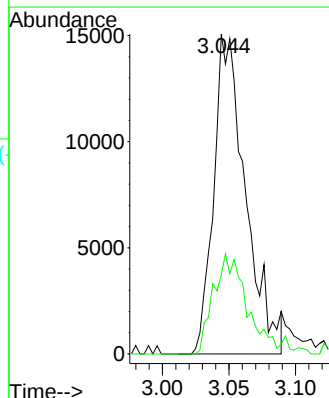
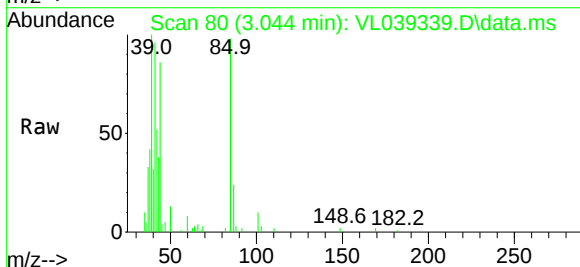
Manual Integrations
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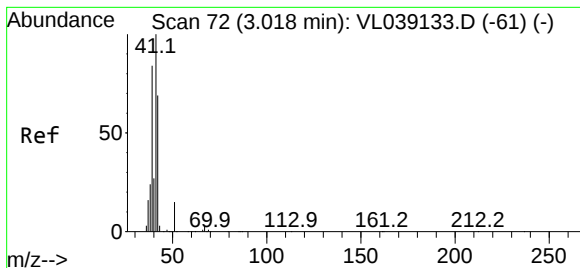
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#2
Dichlorodifluoromethane
Concen: 0.117 ppbv m
RT: 3.044 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

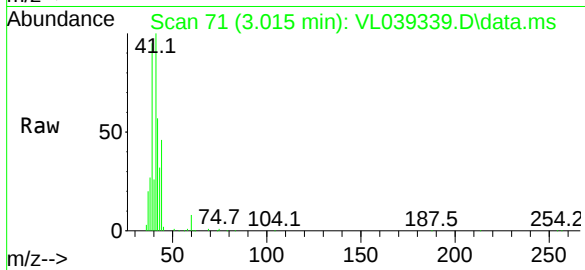
Tgt Ion: 85 Resp: 24982
Ion Ratio Lower Upper
85 100
87 24.7 26.9 40.3#





#9
 Propene
 Concen: 2.478 ppbv
 RT: 3.015 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL039339.D
 Acq: 24 Jun 2022 13:45

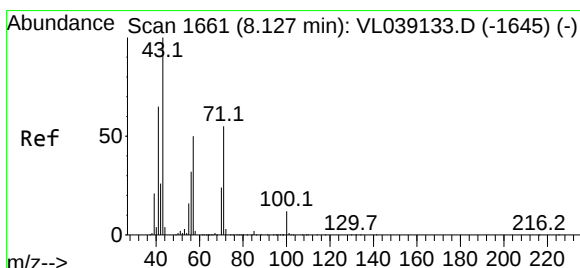
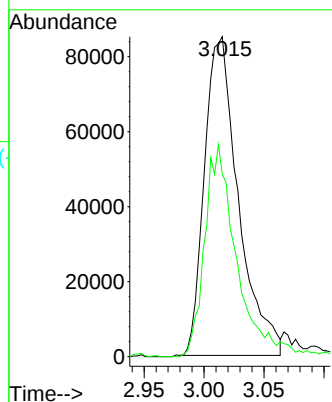
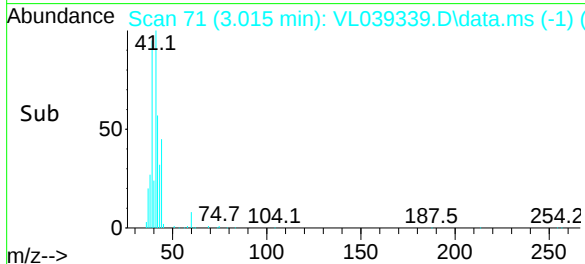
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Tgt Ion: 41 Resp: 167470
 Ion Ratio Lower Upper
 41 100
 42 63.3 55.4 83.2

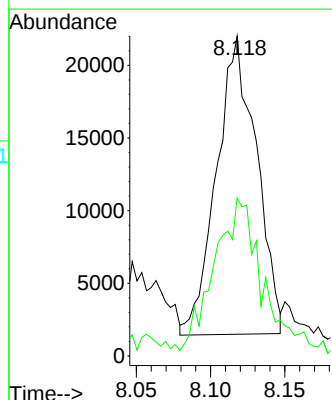
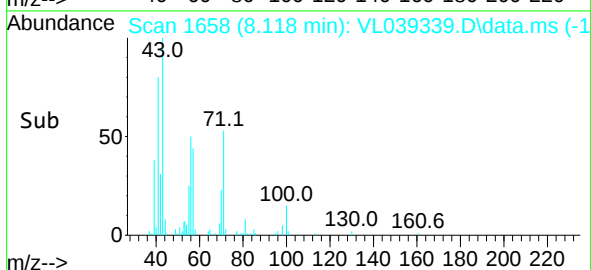
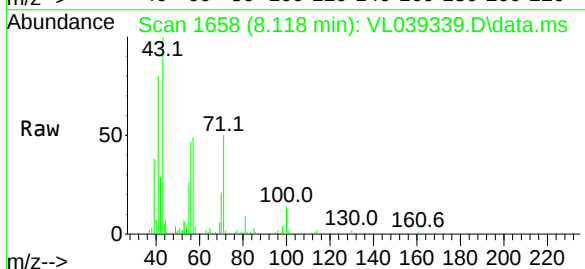
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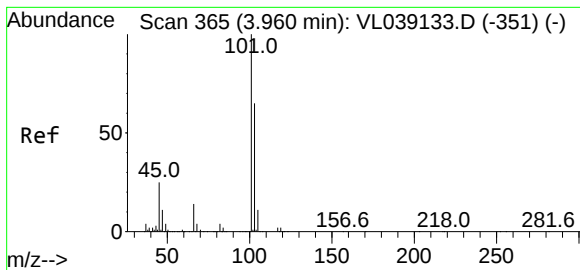
Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#10
 Heptane
 Concen: 0.244 ppbv
 RT: 8.118 min Scan# 1658
 Delta R.T. -0.009 min
 Lab File: VL039339.D
 Acq: 24 Jun 2022 13:45

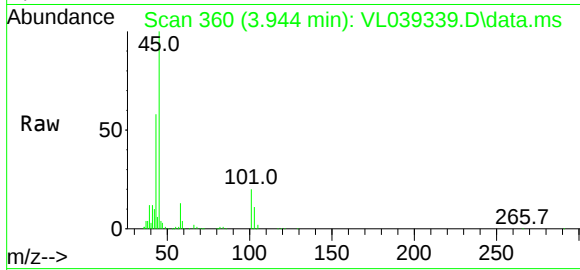
Tgt Ion: 43 Resp: 38398
 Ion Ratio Lower Upper
 43 100
 57 64.1 41.4 62.2#





#11
Trichlorofluoromethane
Concen: 0.318 ppbv
RT: 3.944 min Scan# 30
Delta R.T. -0.016 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

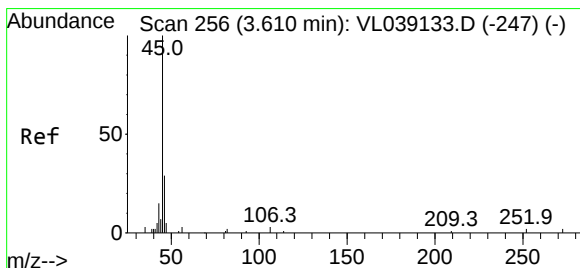
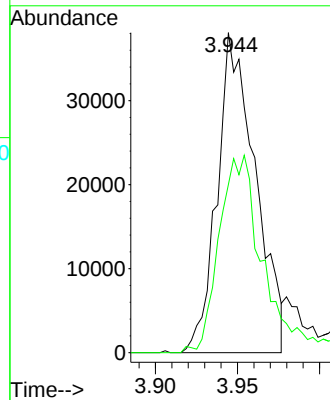
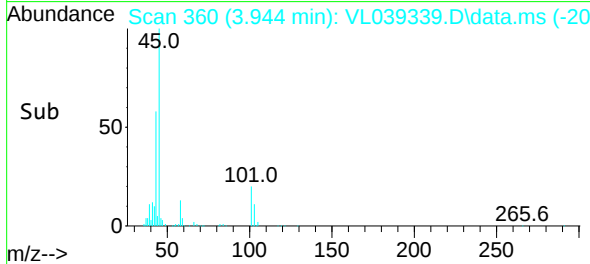
Instrument :
MSVOA_L
ClientSampleId :
SV-1-20220622



Tgt Ion:101 Resp: 6154
Ion Ratio Lower Upper
101 100
103 52.5 51.7 77.5

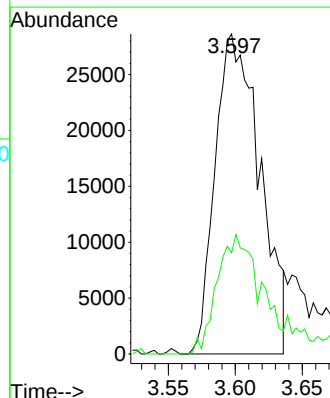
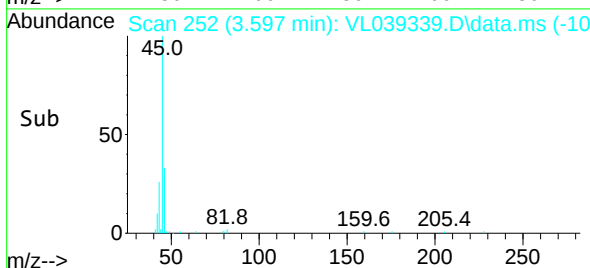
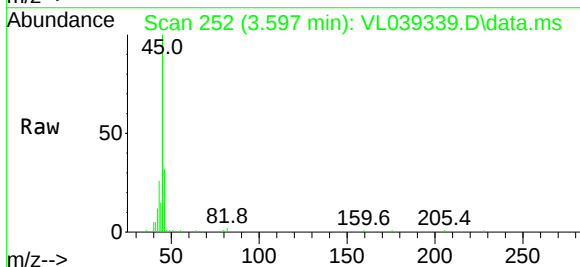
Manual Integrations
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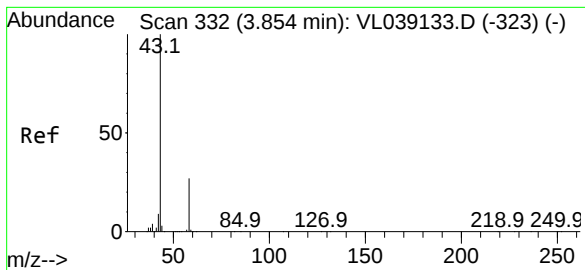
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#13
Ethanol
Concen: 18.081 ppbv m
RT: 3.597 min Scan# 252
Delta R.T. -0.013 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

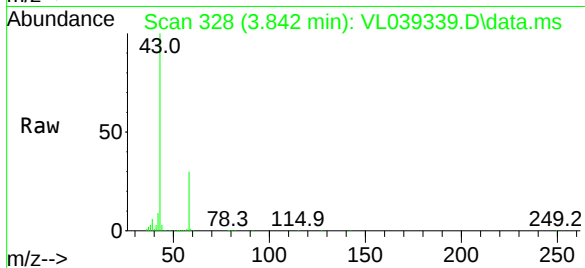
Tgt Ion: 45 Resp: 66650
Ion Ratio Lower Upper
45 100
46 45.2 0.0 0.0#





#15
Acetone
Concen: 53.547 ppbv
RT: 3.842 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

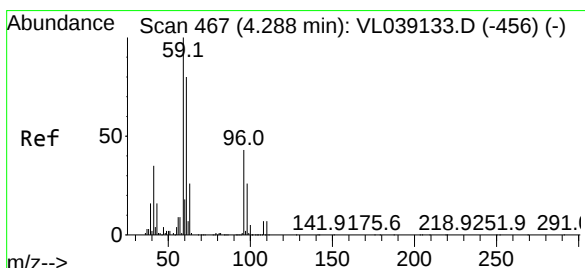
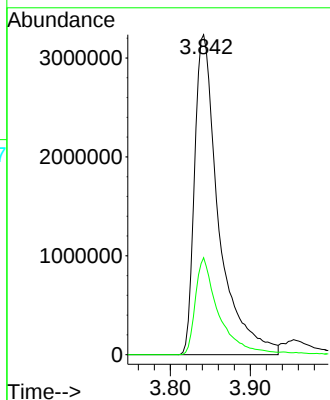
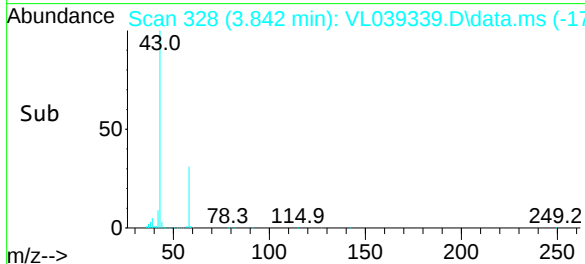
Instrument : MSVOA_L
ClientSampleId : SV-1-20220622



Tgt Ion: 43 Resp: 679563
Ion Ratio Lower Upper
43 100
58 30.7 22.5 33.7

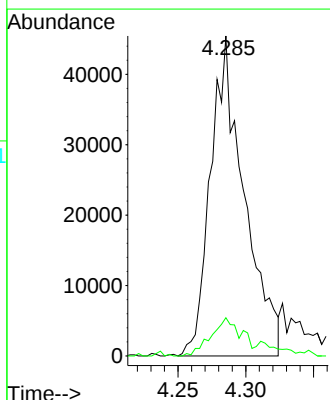
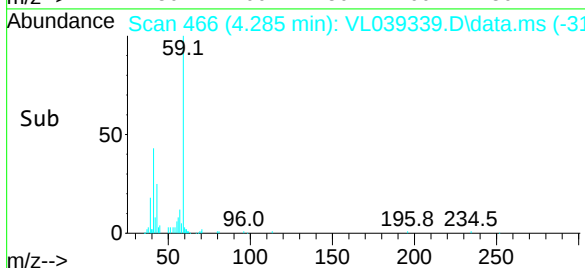
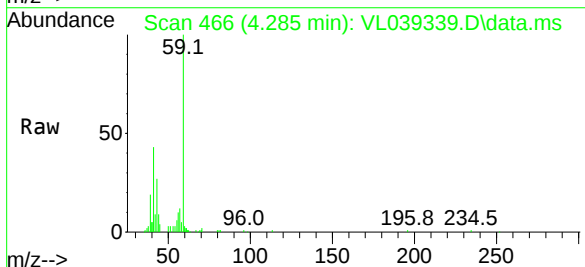
Manual Integrations
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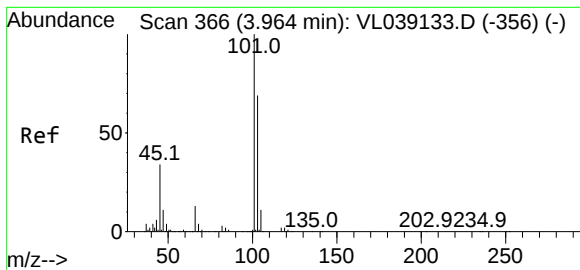
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#17
tert-Butyl alcohol
Concen: 0.798 ppbv
RT: 4.285 min Scan# 466
Delta R.T. -0.003 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

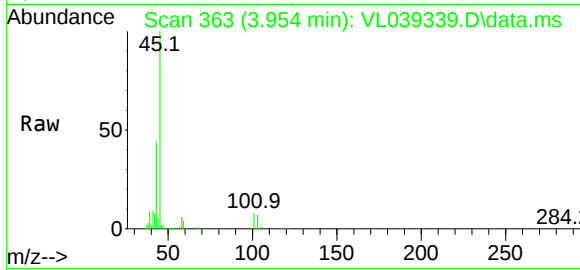
Tgt Ion: 59 Resp: 78512
Ion Ratio Lower Upper
59 100
57 14.5 9.1 13.7#





#19
Isopropyl Alcohol
Concen: 13.497 ppbv
RT: 3.954 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

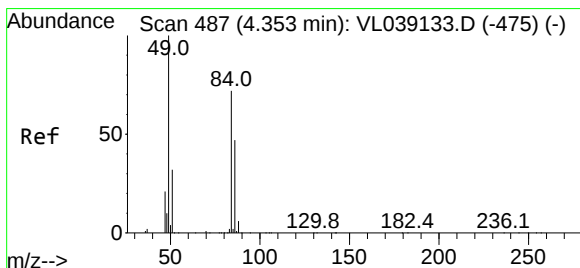
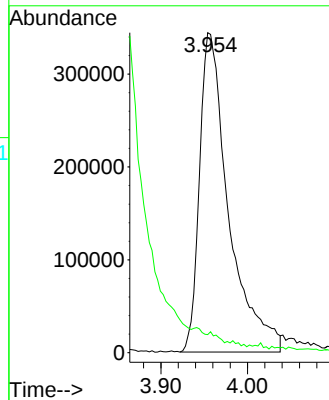
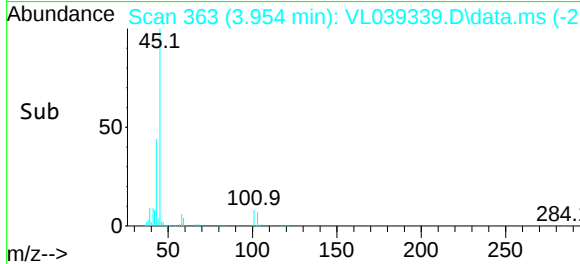
Instrument :
MSVOA_L
ClientSampleId :
SV-1-20220622



Tgt Ion: 45 Resp: 80336
Ion Ratio Lower Upper
45 100
58 260.1 1.8 2.8

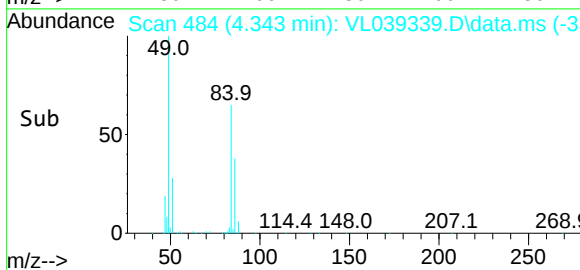
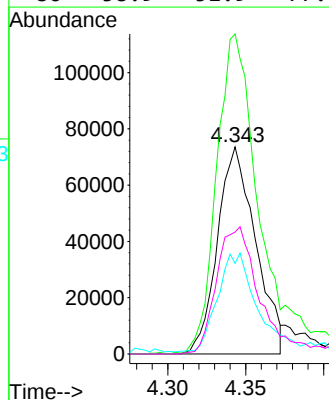
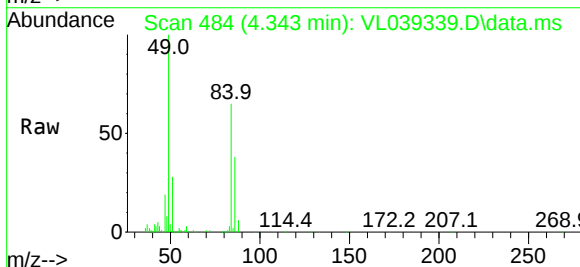
Manual Integrations
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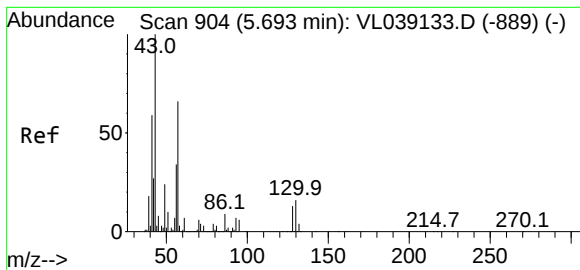
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#20
Methylene Chloride
Concen: 2.346 ppbv
RT: 4.343 min Scan# 484
Delta R.T. -0.010 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

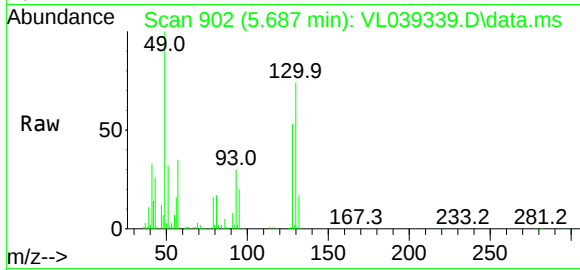
Tgt Ion: 84 Resp: 125474
Ion Ratio Lower Upper
84 100
49 153.3 111.1 166.7
51 42.5 35.3 52.9
86 58.9 51.9 77.9





#26
Hexane
Concen: 0.817 ppbv
RT: 5.687 min Scan# 904
Delta R.T. -0.006 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

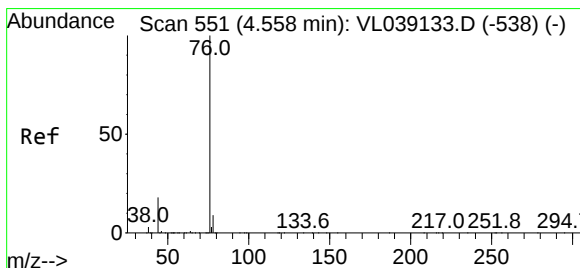
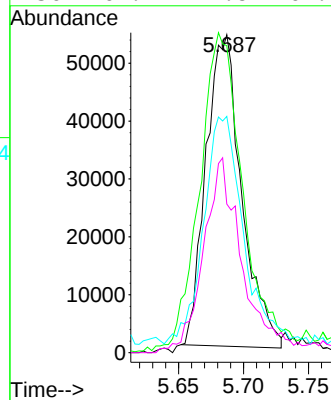
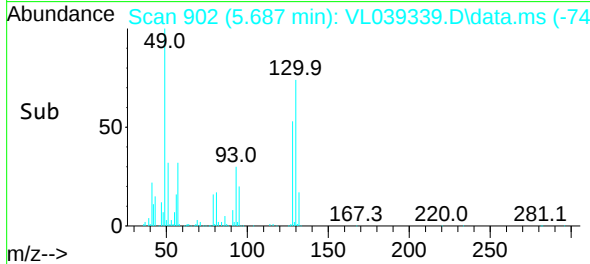
Instrument : MSVOA_L
ClientSampleId : SV-1-20220622



Tgt Ion: 57 Resp: 102674
Ion Ratio Lower Upper
57 100
41 123.4 72.4 108.6
43 83.2 187.0 280.6
56 67.7 41.8 62.6

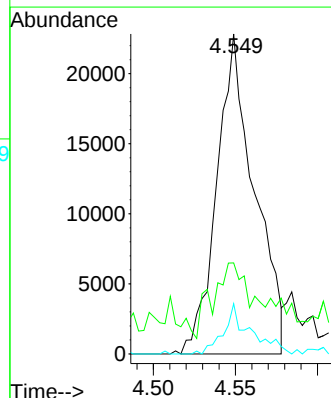
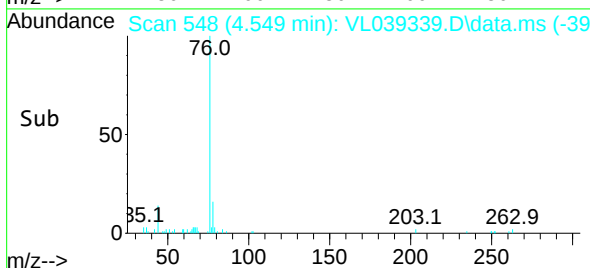
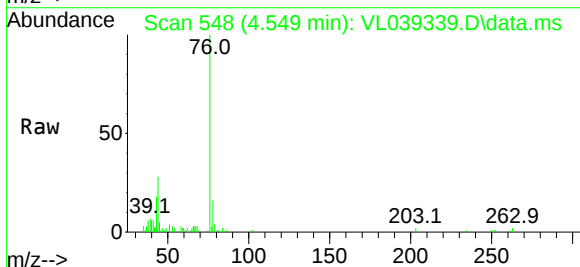
Manual Integrations
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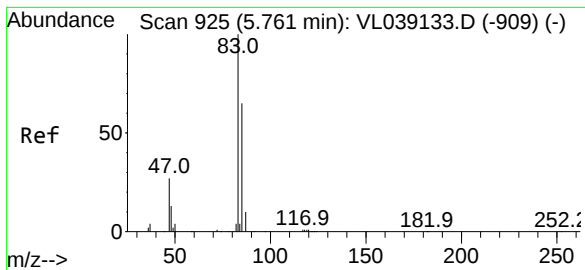
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#27
Carbon Disulfide
Concen: 0.279 ppbv
RT: 4.549 min Scan# 548
Delta R.T. -0.010 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

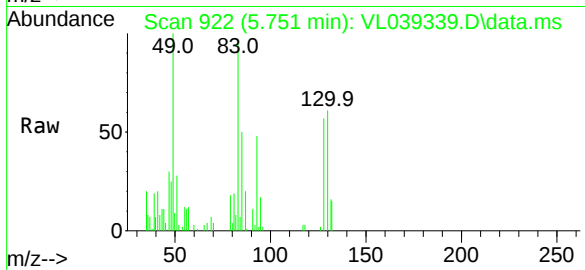
Tgt Ion: 76 Resp: 36332
Ion Ratio Lower Upper
76 100
44 42.0 14.4 21.6
78 11.3 7.7 11.5





#29
Chloroform
Concen: 0.124 ppbv
RT: 5.751 min Scan# 91
Delta R.T. -0.009 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

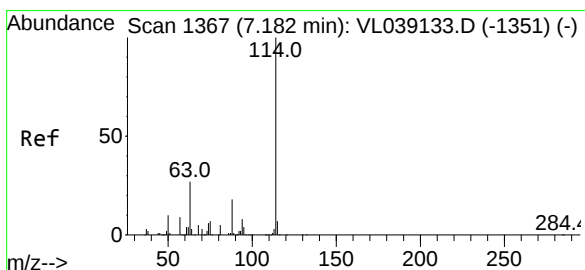
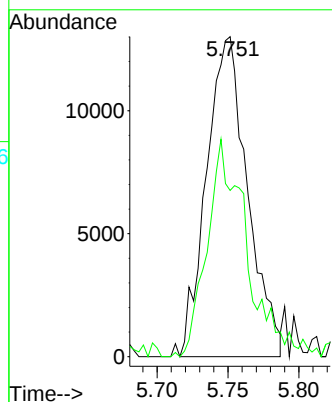
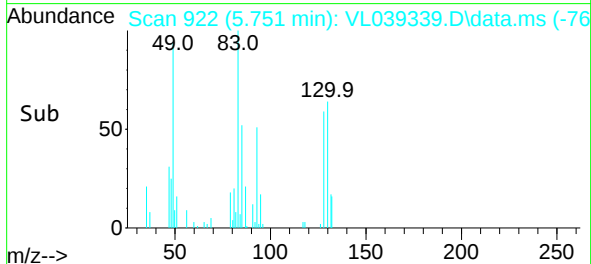
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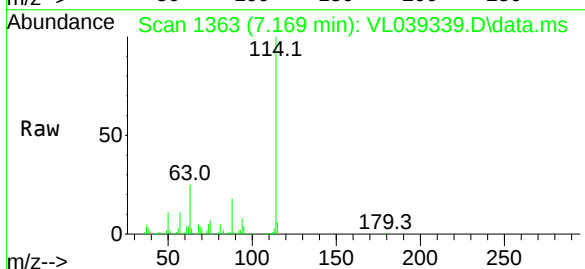
Tgt Ion: 83 Resp: 26208
Ion Ratio Lower Upper
83 100
85 52.0 52.4 78.6

Manual Integrations
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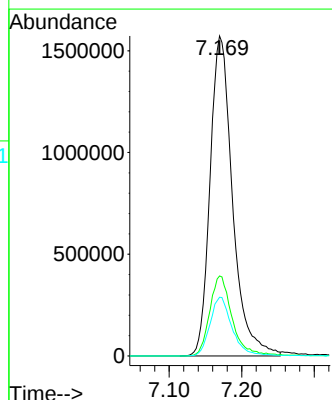
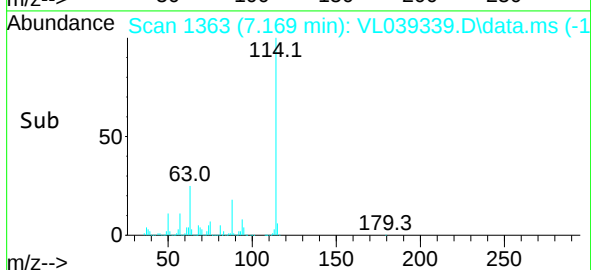
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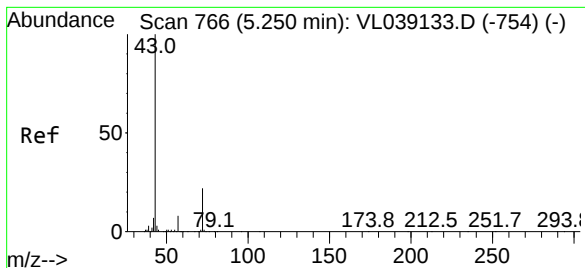


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. -0.013 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45



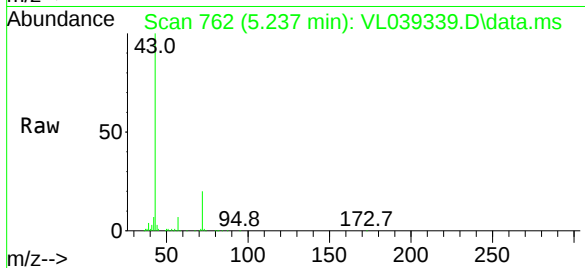
Tgt Ion:114 Resp: 3393751
Ion Ratio Lower Upper
114 100
63 25.1 21.7 32.5
88 18.2 14.8 22.2





#34
2-Butanone
Concen: 5.472 ppbv
RT: 5.237 min Scan# 70
Delta R.T. -0.013 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

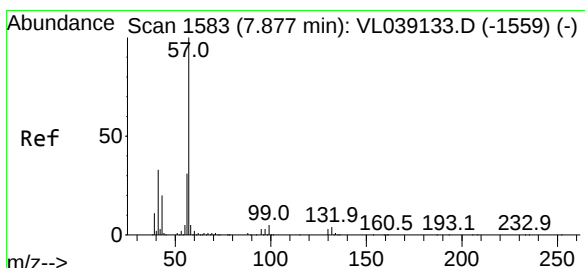
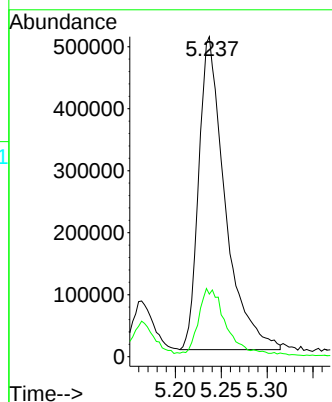
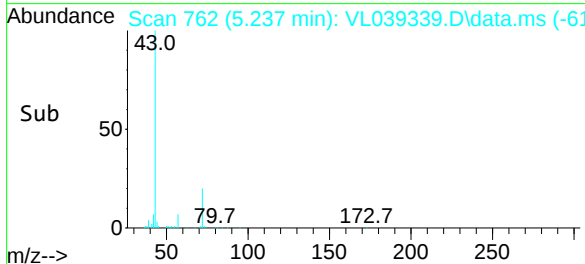
Instrument :
MSVOA_L
ClientSampleId :
SV-1-20220622



Tgt Ion: 43 Resp: 100886
Ion Ratio Lower Upper
43 100
72 24.8 18.2 27.2

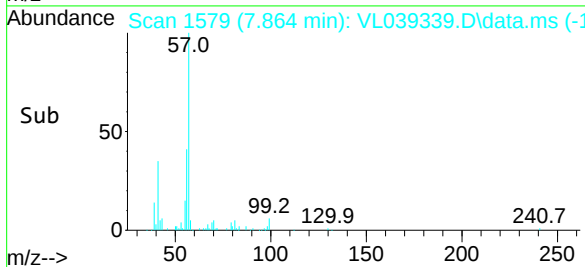
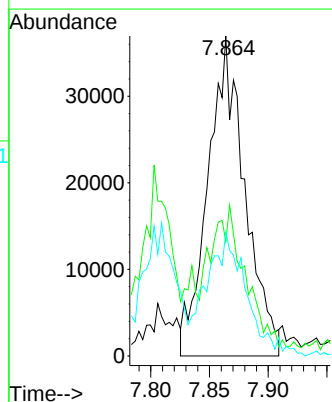
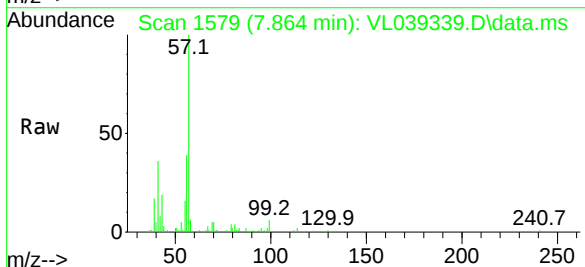
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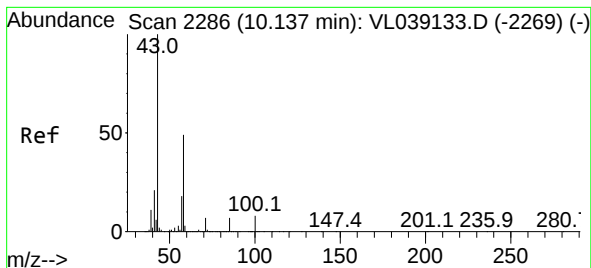
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#44
2,2,4-Trimethylpentane
Concen: 0.168 ppbv m
RT: 7.864 min Scan# 1579
Delta R.T. -0.013 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

Tgt Ion: 57 Resp: 80738
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.4#
56 41.4 24.7 37.1#





#51

2-Hexanone

Concen: 1.257 ppbv

RT: 10.131 min Scan# 2284

Delta R.T. -0.006 min

Lab File: VL039339.D

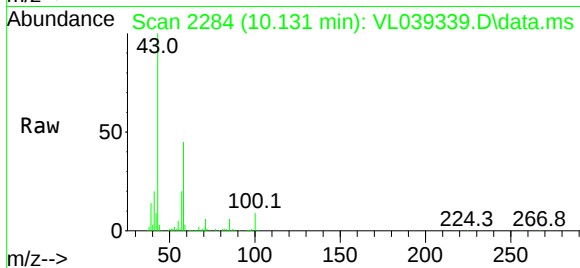
Acq: 24 Jun 2022 13:45

Instrument :

MSVOA_L

ClientSampleId :

SV-1-20220622



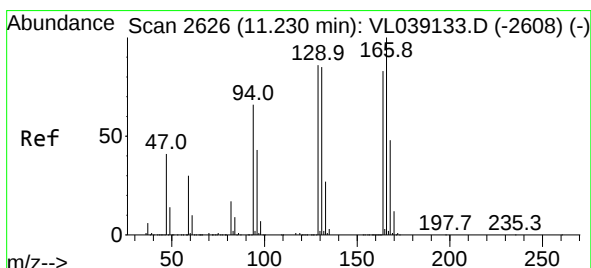
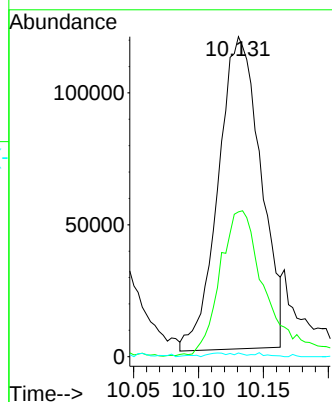
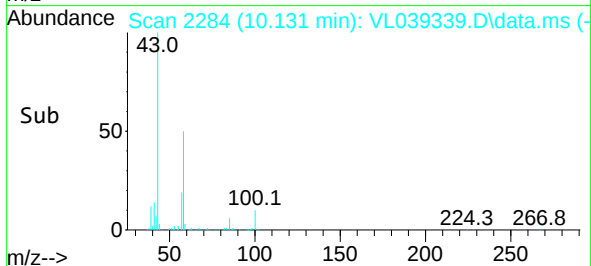
Tgt Ion: 43 Resp: 27000

Ion	Ratio	Lower	Upper
43	100		
58	52.4	40.0	60.0
98	1.4	0.1	0.1

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



#52

Tetrachloroethene

Concen: 0.218 ppbv m

RT: 11.211 min Scan# 2620

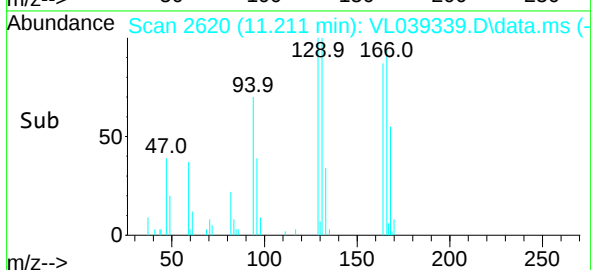
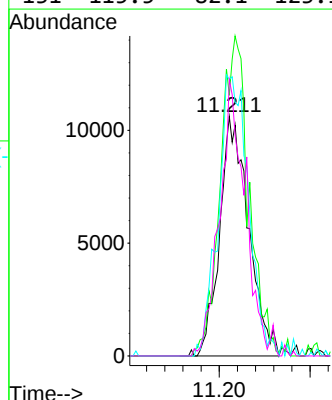
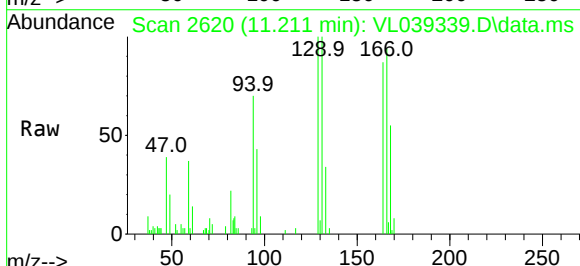
Delta R.T. -0.019 min

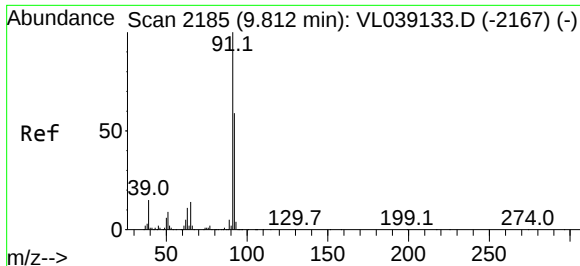
Lab File: VL039339.D

Acq: 24 Jun 2022 13:45

Tgt Ion:164 Resp: 23405

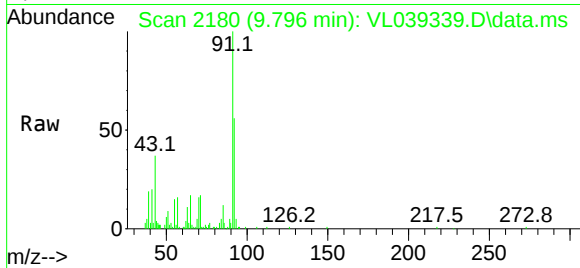
Ion	Ratio	Lower	Upper
164	100		
166	108.9	96.3	144.5
129	115.5	82.5	123.7
131	115.5	82.1	123.1





#53
Toluene
Concen: 0.295 ppbv m
RT: 9.796 min Scan# 2185
Delta R.T. -0.016 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

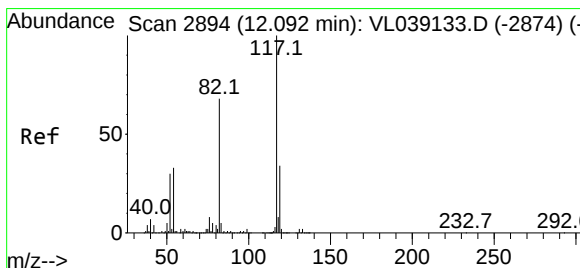
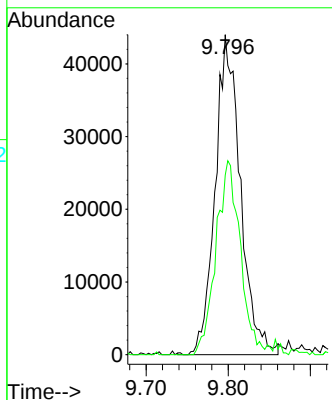
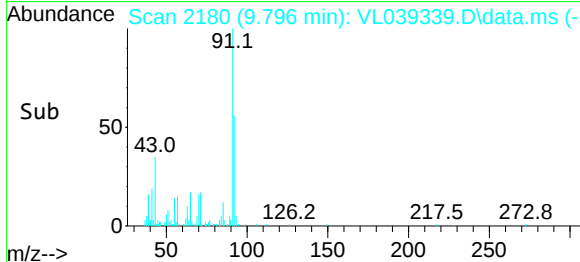
Instrument :
MSVOA_L
ClientSampleId :
SV-1-20220622



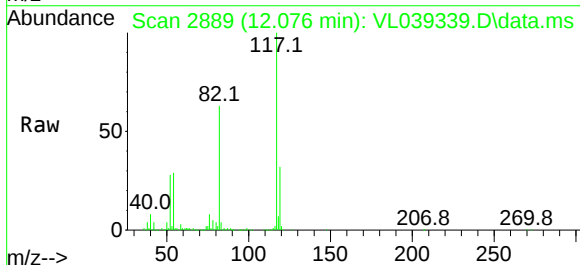
Tgt Ion: 91 Resp: 93512
Ion Ratio Lower Upper
91 100
92 59.0 48.1 72.1

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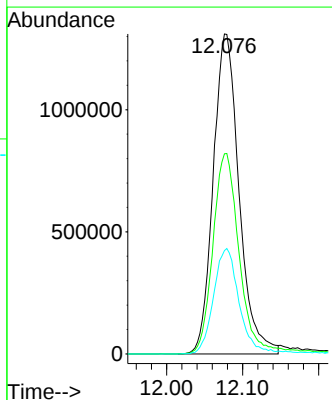
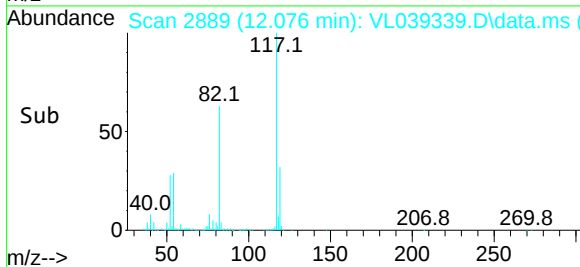
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

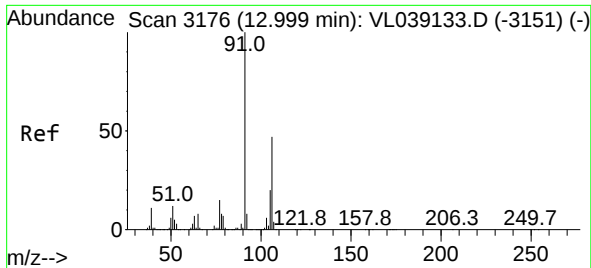


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. -0.016 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45



Tgt Ion:117 Resp: 3089163
Ion Ratio Lower Upper
117 100
82 65.7 55.1 82.7
119 33.3 24.7 37.1





#59

m/p-Xylene

Concen: 0.190 ppbv m

RT: 12.957 min Scan# 3176

Delta R.T. -0.042 min

Lab File: VL039339.D

Acq: 24 Jun 2022 13:45

Instrument :

MSVOA_L

ClientSampleId :

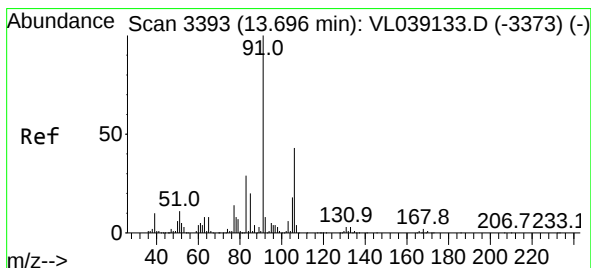
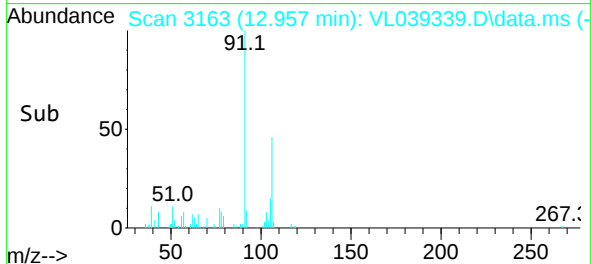
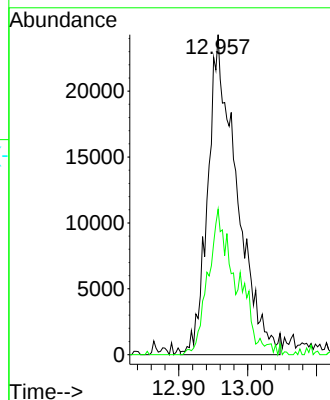
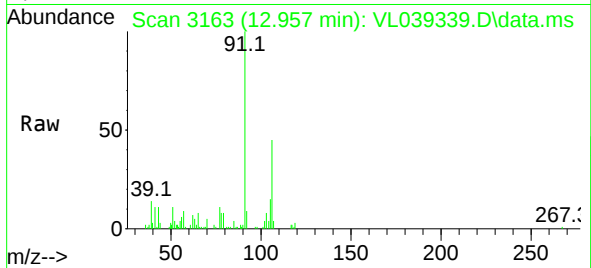
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Tgt Ion: 91 Resp: 71295
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.3 51.5

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



#60

o-Xylene

Concen: 0.153 ppbv m

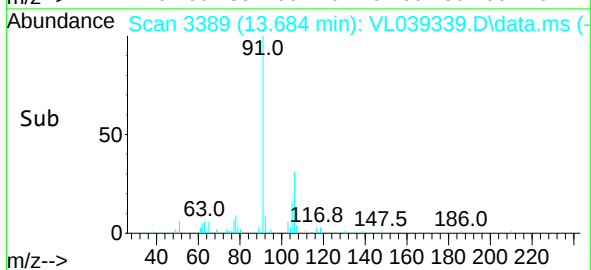
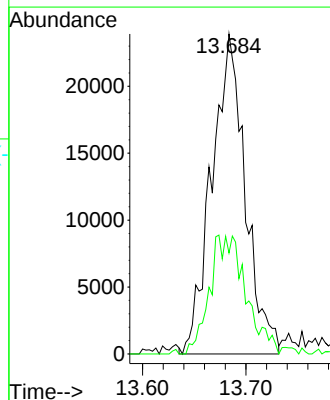
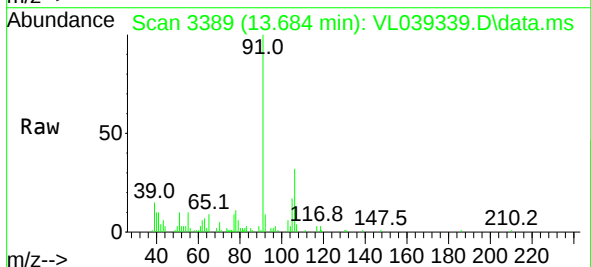
RT: 13.684 min Scan# 3389

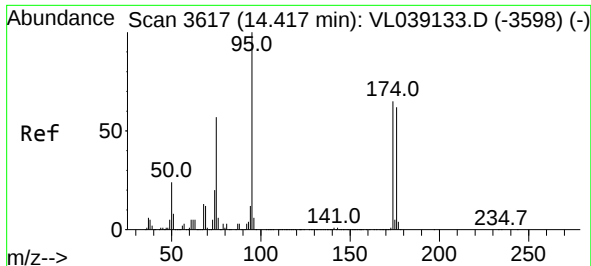
Delta R.T. -0.013 min

Lab File: VL039339.D

Acq: 24 Jun 2022 13:45

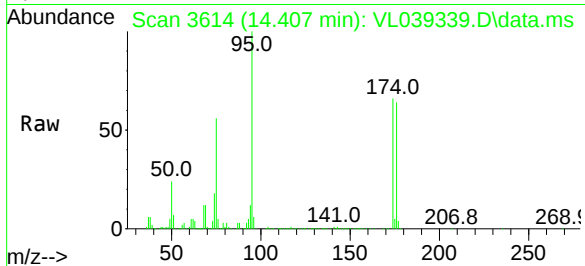
Tgt Ion: 91 Resp: 53837
 Ion Ratio Lower Upper
 91 100
 106 0.0 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.195 ppbv
RT: 14.407 min Scan# 3614
Delta R.T. -0.009 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45

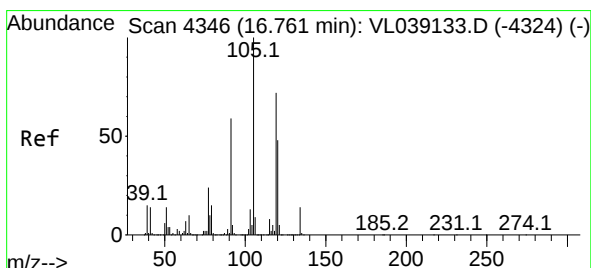
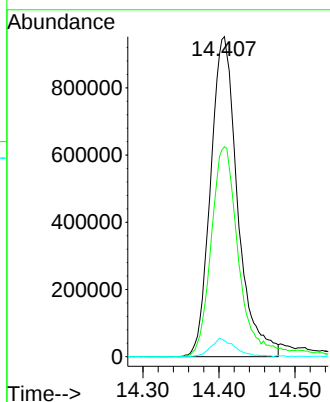
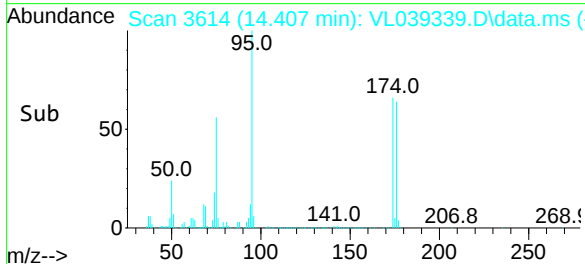
Instrument :
MSVOA_L
ClientSampleId :
SV-1-20220622



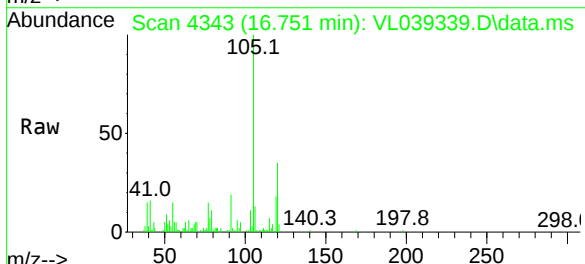
Tgt Ion: 95 Resp: 234840
Ion Ratio Lower Upper
95 100
174 69.9 53.8 80.8
175 5.4 4.1 6.1

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



#74
1,2,4-Trimethylbenzene
Concen: 0.170 ppbv
RT: 16.751 min Scan# 4343
Delta R.T. -0.009 min
Lab File: VL039339.D
Acq: 24 Jun 2022 13:45



Tgt Ion:105 Resp: 70652
Ion Ratio Lower Upper
105 100
120 39.5 38.1 57.1
91 18.1 47.4 71.0#
77 15.1 19.5 29.3#

