

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
 Data File : VL039169.D
 Acq On : 4 Jun 2022 1:54
 Operator : SY/AP
 Sample : N3106-04 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022
 Supervised By :Mahesh Dadoda 06/06/2022

Quant Time: Jun 04 02:49:08 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 04 02:49:08 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	5.674	49	1339338	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	3795567	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	3421831	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2590277	9.156	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.057	85	27788m	0.118	ppbv	
9) Propene	3.028	41	143973	1.938	ppbv #	82
10) Heptane	8.134	43	101313m	0.584	ppbv	
11) Trichlorofluoromethane	3.960	101	20810m	0.098	ppbv	
13) Ethanol	3.616	45	57634m	14.222	ppbv	
15) Acetone	3.861	43	163242	1.170	ppbv #	47
17) tert-Butyl alcohol	4.308	59	18091m	0.167	ppbv	
19) Isopropyl Alcohol	3.980	45	135822	2.076	ppbv #	92
20) Methylene Chloride	4.353	84	39639	0.674	ppbv #	92
23) Vinyl Acetate	5.082	43	302017	2.616	ppbv #	96
26) Hexane	5.693	57	559384	4.048	ppbv #	30
27) Carbon Disulfide	4.558	76	14843m	0.104	ppbv	
34) 2-Butanone	5.253	43	784054	3.802	ppbv	98
51) 2-Hexanone	10.143	43	309583m	1.289	ppbv	
52) Tetrachloroethene	11.227	164	149794	1.245	ppbv	96
74) 1,2,4-Trimethylbenzene	16.764	105	48642	0.106	ppbv #	65

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

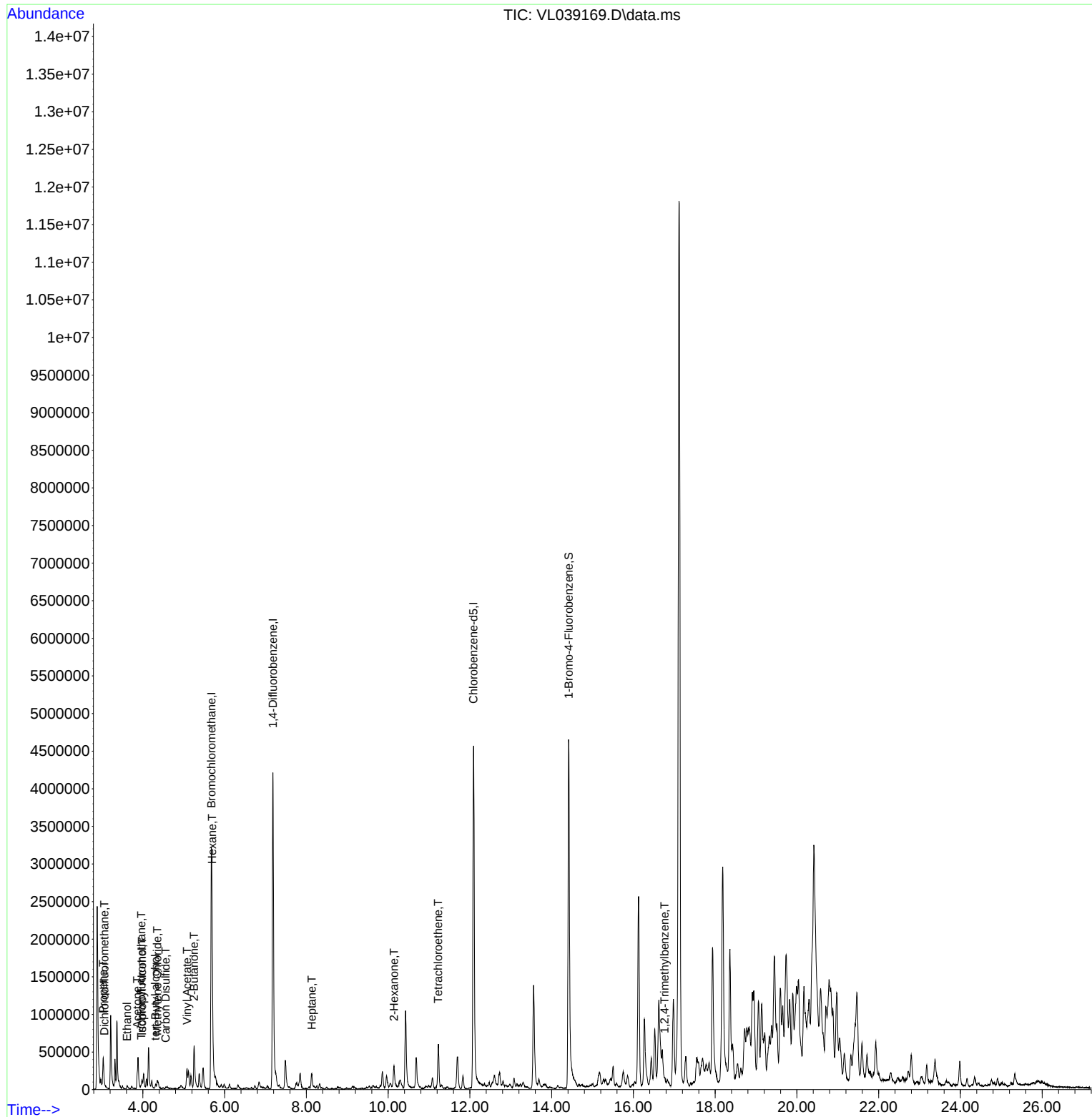
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
Data File : VL039169.D
Acq On : 4 Jun 2022 1:54
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Sample : N3106-04 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

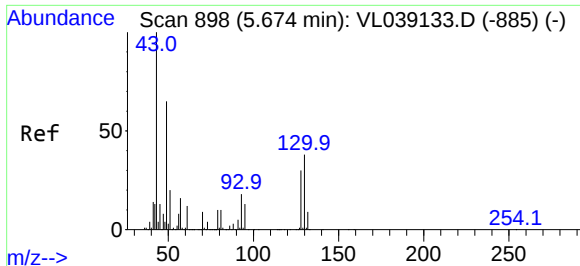
Instrument :
MSVOA_L
ClientSampleId :
SV4

Quant Time: Jun 04 02:49:08 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

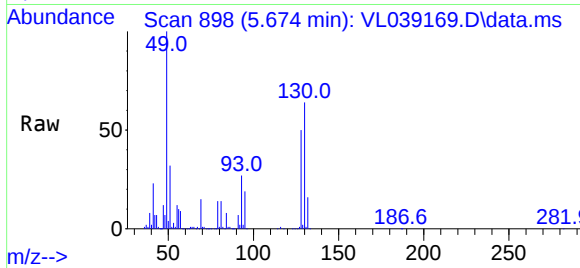
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.000 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54

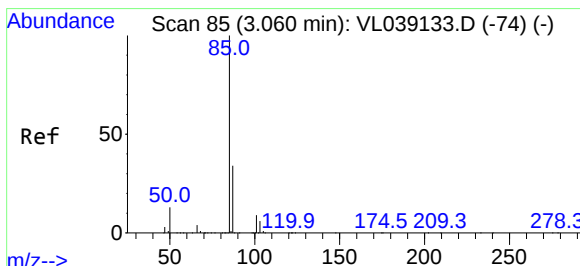
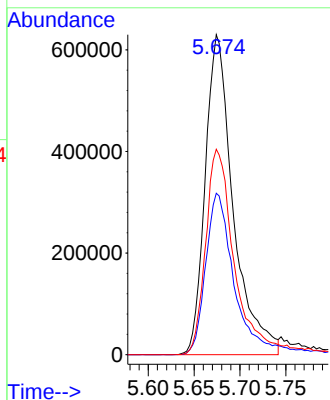
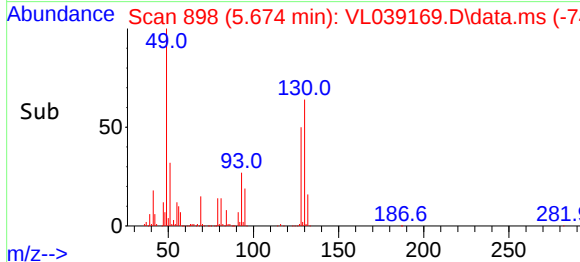
Instrument :
MSVOA_L
ClientSampleId :
SV4



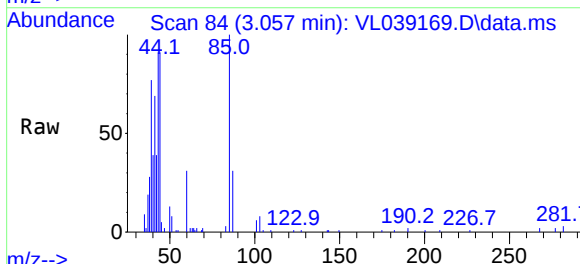
Tgt Ion: 49 Resp: 1339338
Ion Ratio Lower Upper
49 100
128 53.8 24.7 74.1
130 69.1 31.4 94.0

Manual Integrations
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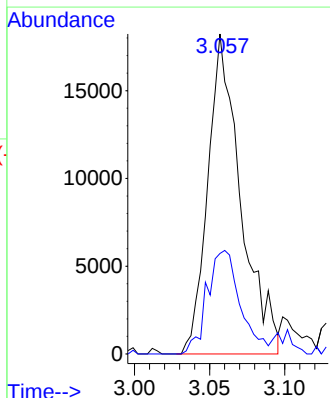
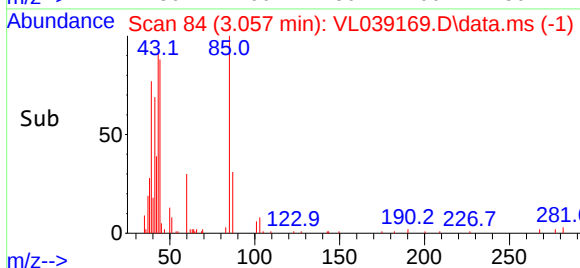
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

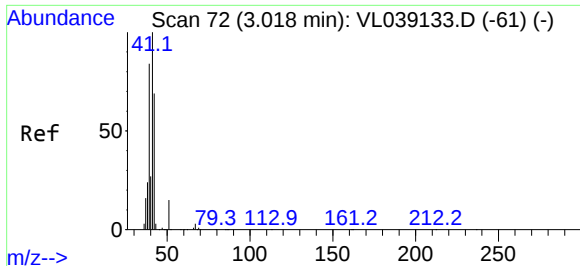


#2
Dichlorodifluoromethane
Concen: 0.118 ppbv m
RT: 3.057 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54



Tgt Ion: 85 Resp: 27788
Ion Ratio Lower Upper
85 100
87 31.4 26.9 40.3





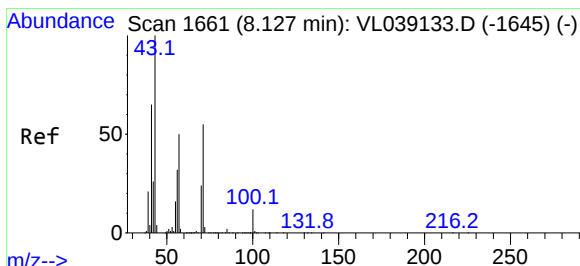
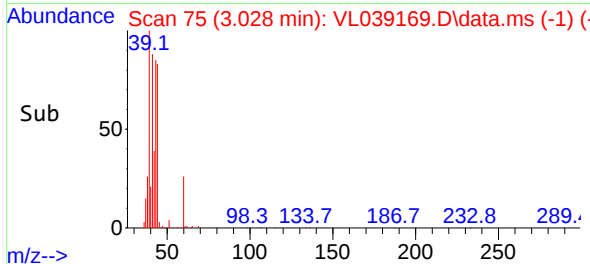
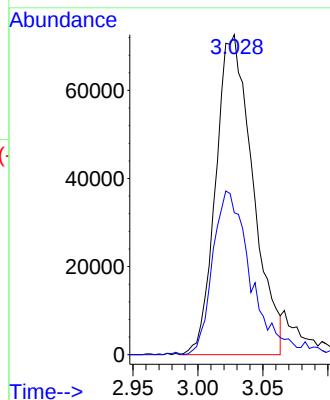
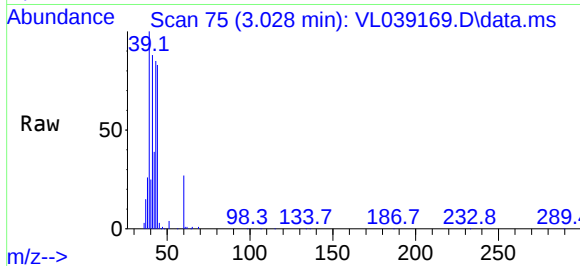
#9
 Propene
 Concen: 1.938 ppbv
 RT: 3.028 min Scan# 71
 Delta R.T. 0.010 min
 Lab File: VL039169.D
 Acq: 4 Jun 2022 1:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

Tgt Ion: 41 Resp: 14397
 Ion Ratio Lower Upper
 41 100
 42 54.3 55.4 83.2

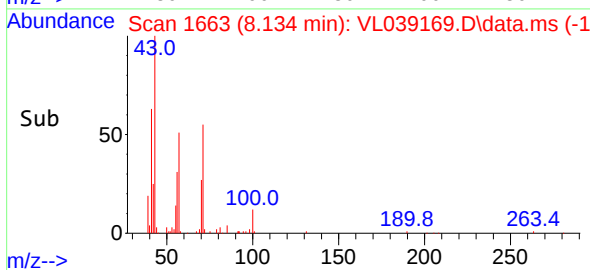
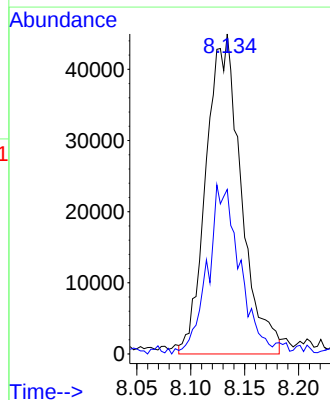
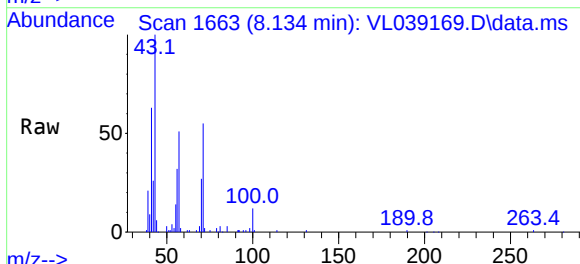
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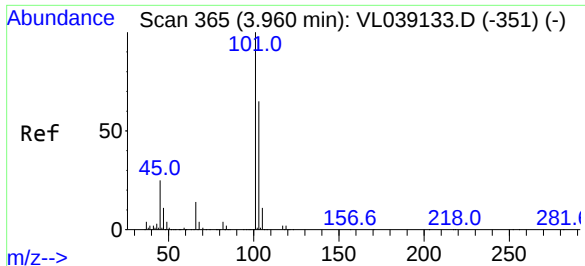
Reviewed By :Semsettin Yesilyurt 06/05/2022
 Supervised By :Mahesh Dadoda 06/06/2022



#10
 Heptane
 Concen: 0.584 ppbv m
 RT: 8.134 min Scan# 1663
 Delta R.T. 0.006 min
 Lab File: VL039169.D
 Acq: 4 Jun 2022 1:54

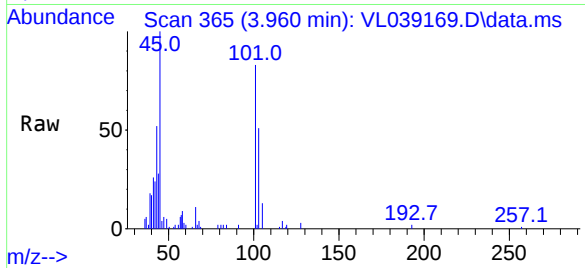
Tgt Ion: 43 Resp: 101313
 Ion Ratio Lower Upper
 43 100
 57 51.3 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.098 ppbv m
RT: 3.960 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54

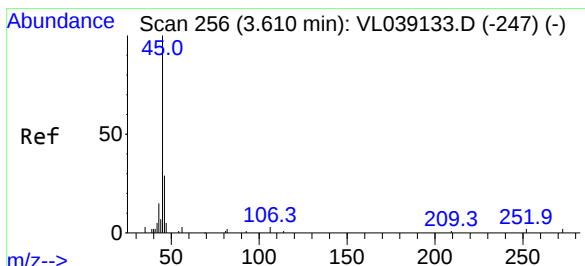
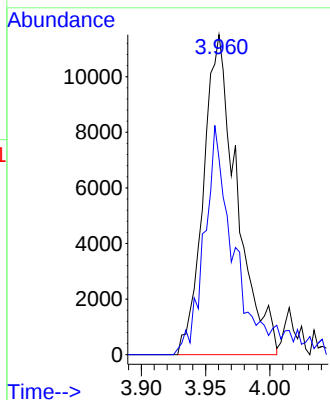
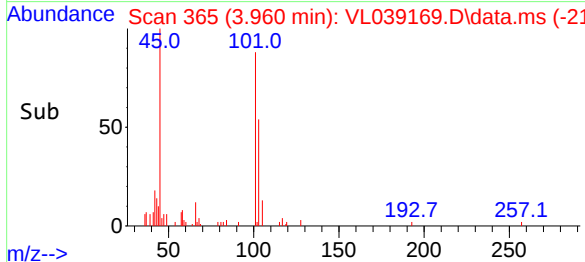
Instrument :
MSVOA_L
ClientSampleId :
SV4



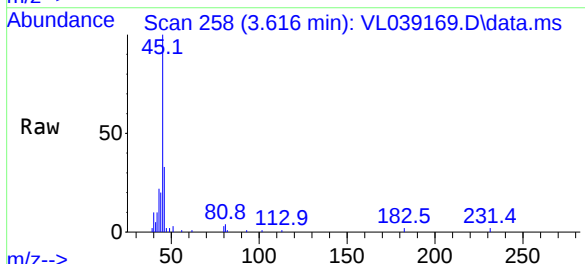
Tgt Ion:101 Resp: 20810
Ion Ratio Lower Upper
101 100
103 61.3 51.7 77.5

Manual Integrations
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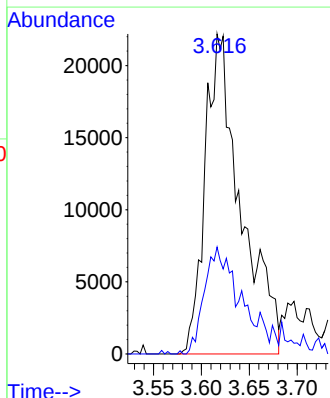
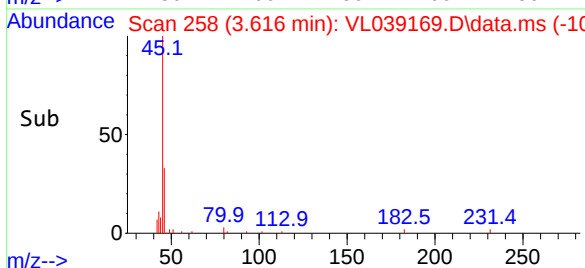
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

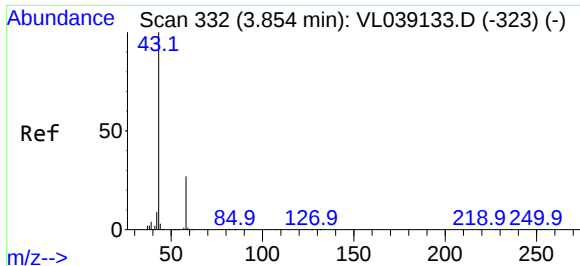


#13
Ethanol
Concen: 14.222 ppbv m
RT: 3.616 min Scan# 258
Delta R.T. 0.006 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54



Tgt Ion: 45 Resp: 57634
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0





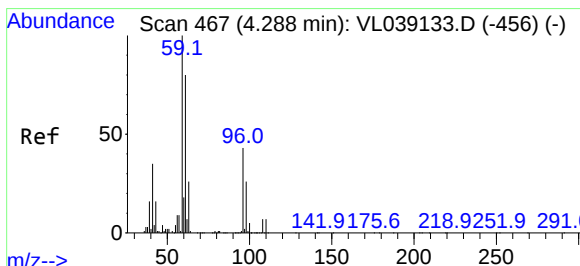
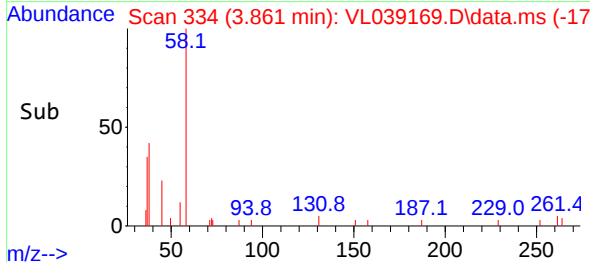
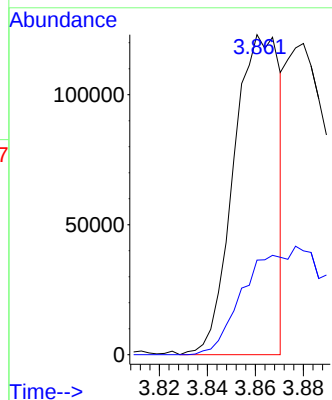
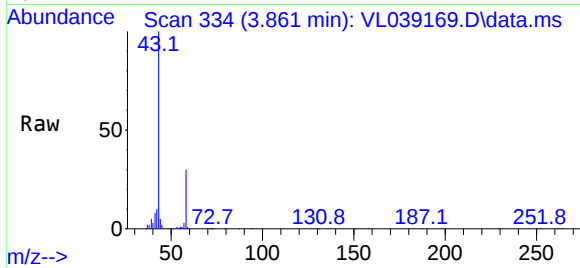
#15
Acetone
Concen: 1.170 ppbv
RT: 3.861 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 43 Resp: 16324
Ion Ratio Lower Upper
43 100
58 0.0 22.5 33.7

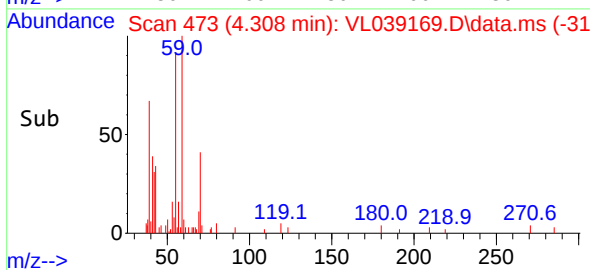
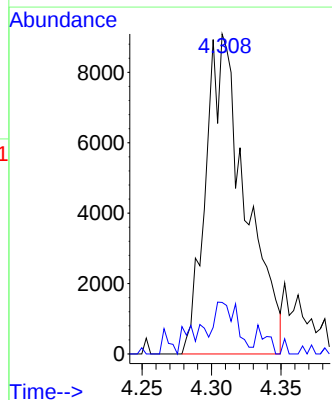
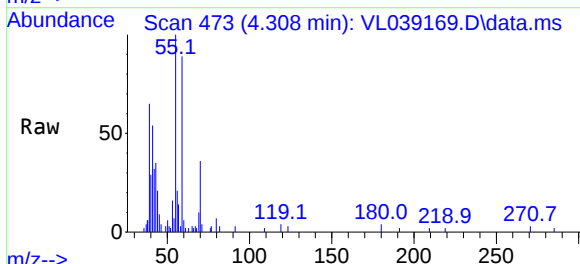
Manual Integrations
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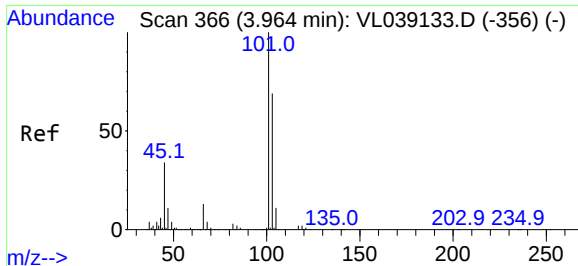
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#17
tert-Butyl alcohol
Concen: 0.167 ppbv m
RT: 4.308 min Scan# 473
Delta R.T. 0.019 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54

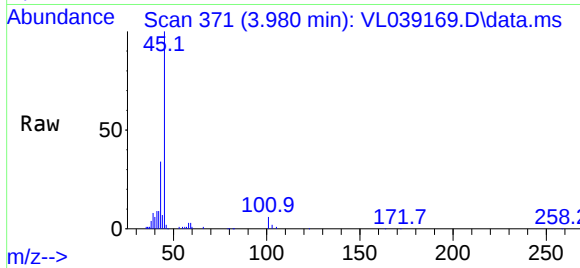
Tgt Ion: 59 Resp: 18091
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7





#19
Isopropyl Alcohol
Concen: 2.076 ppbv
RT: 3.980 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54

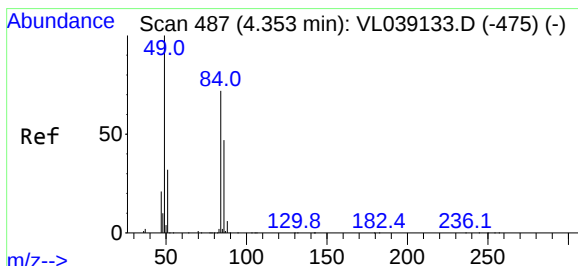
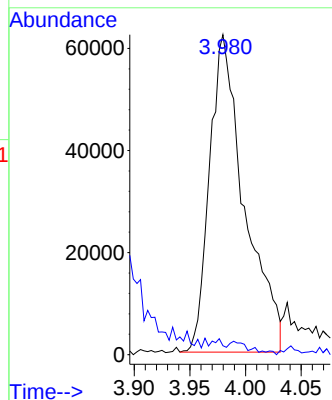
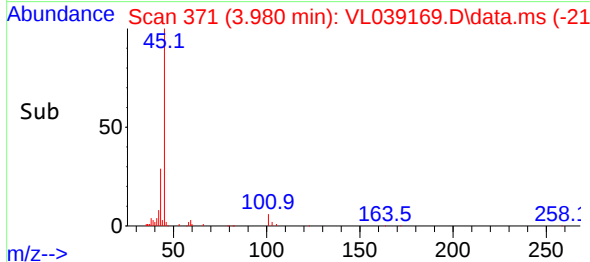
Instrument :
MSVOA_L
ClientSampleId :
SV4



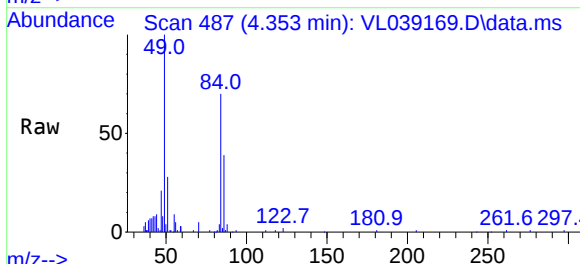
Tgt Ion: 45 Resp: 13582
Ion Ratio Lower Upper
45 100
58 5.1 1.8 2.8

Manual Integrations
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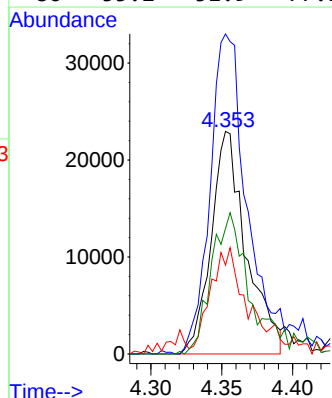
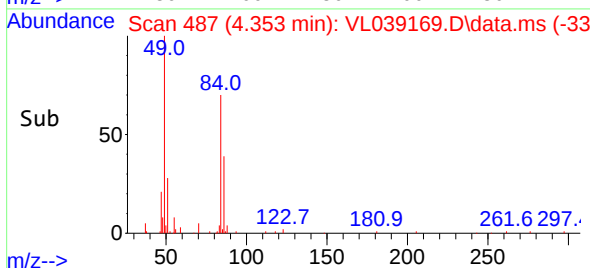
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

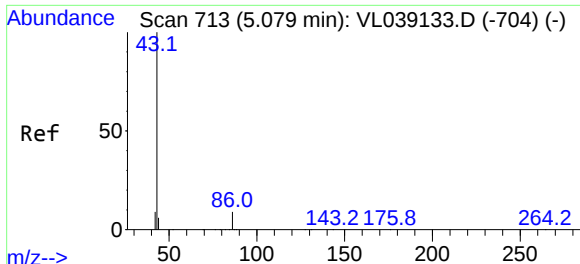


#20
Methylene Chloride
Concen: 0.674 ppbv
RT: 4.353 min Scan# 487
Delta R.T. -0.000 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54



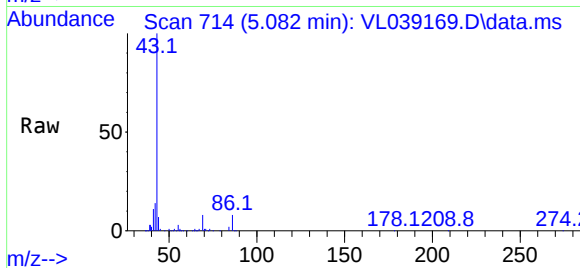
Tgt Ion: 84 Resp: 39639
Ion Ratio Lower Upper
84 100
49 143.8 111.1 166.7
51 33.3 35.3 52.9#
86 55.2 51.9 77.9





#23
 Vinyl Acetate
 Concen: 2.616 ppbv
 RT: 5.082 min Scan# 713
 Delta R.T. 0.003 min
 Lab File: VL039169.D
 Acq: 4 Jun 2022 1:54

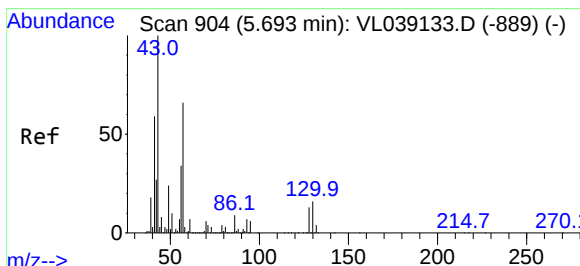
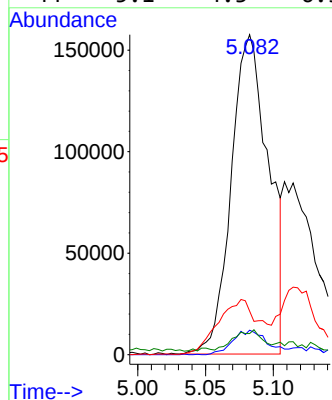
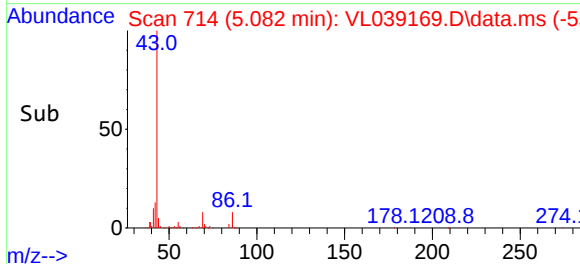
Instrument :
 MSVOA_L
 ClientSampleId :
 SV4



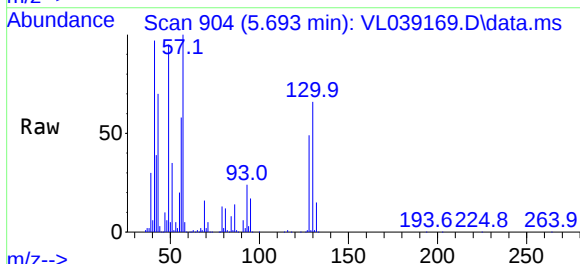
Tgt Ion: 43 Resp: 302017
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.0 9.0
 42 13.5 8.2 12.4
 44 5.1 4.3 6.5

Manual Integrations
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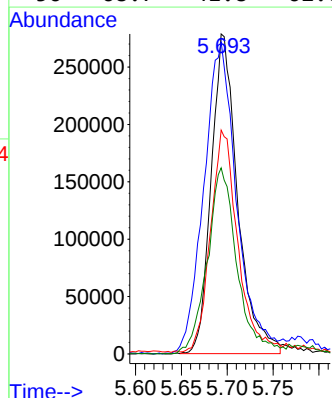
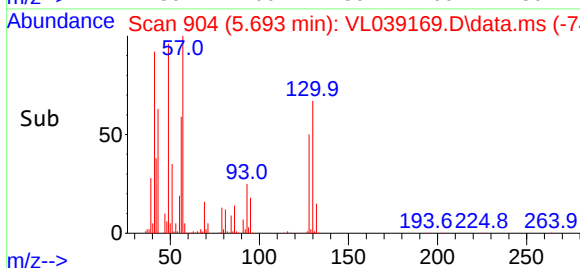
Reviewed By :Semsettin Yesilyurt 06/05/2022
 Supervised By :Mahesh Dadoda 06/06/2022

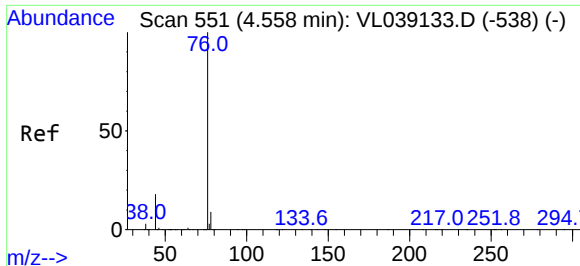


#26
 Hexane
 Concen: 4.048 ppbv
 RT: 5.693 min Scan# 904
 Delta R.T. -0.000 min
 Lab File: VL039169.D
 Acq: 4 Jun 2022 1:54



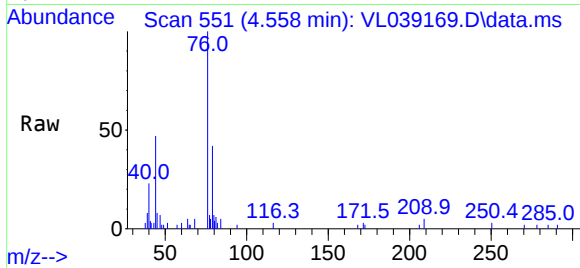
Tgt Ion: 57 Resp: 559384
 Ion Ratio Lower Upper
 57 100
 41 120.7 72.4 108.6#
 43 74.7 187.0 280.6#
 56 68.7 41.8 62.6#





#27
Carbon Disulfide
Concen: 0.104 ppbv m
RT: 4.558 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54

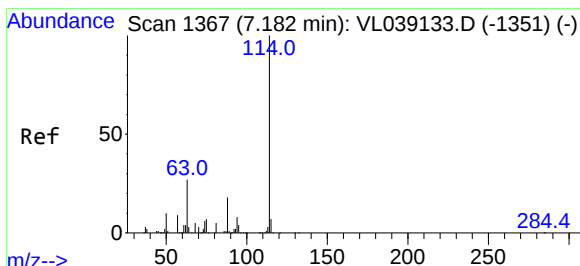
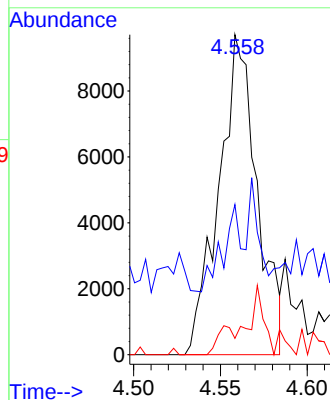
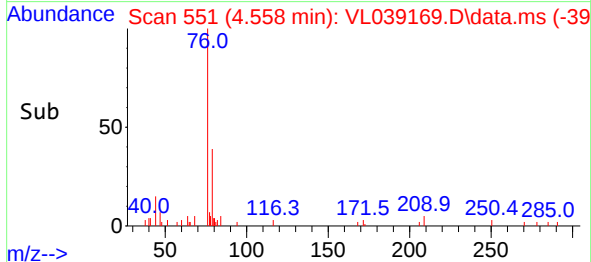
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 76 Resp: 1484
Ion Ratio Lower Upper
76 100
44 59.8 14.4 21.6
78 13.6 7.7 11.5

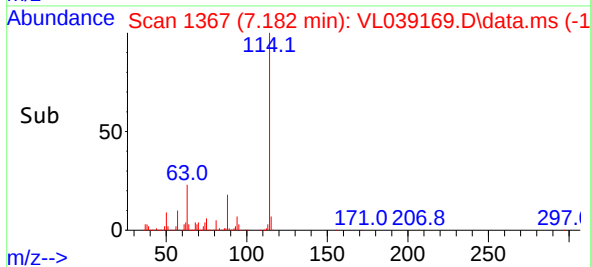
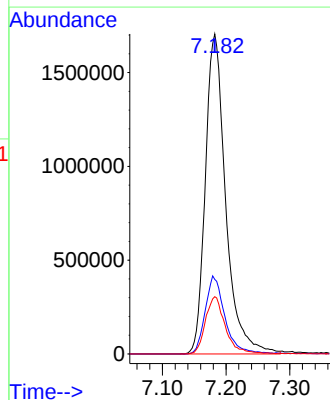
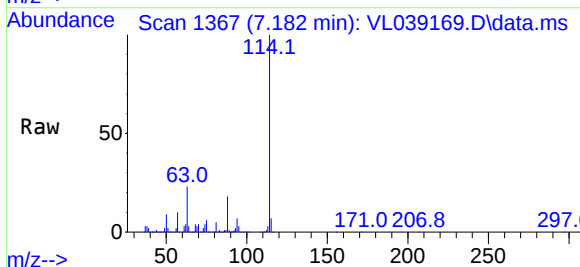
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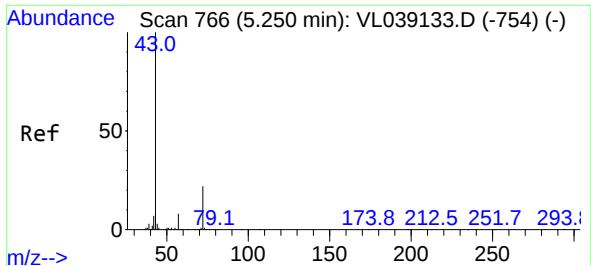
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 1367
Delta R.T. -0.000 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54

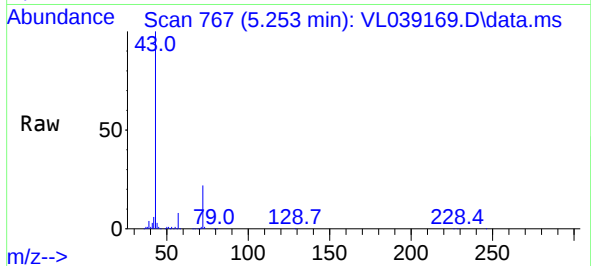
Tgt Ion:114 Resp: 3795567
Ion Ratio Lower Upper
114 100
63 24.0 21.7 32.5
88 17.8 14.8 22.2





#34
2-Butanone
Concen: 3.802 ppbv
RT: 5.253 min Scan# 767
Delta R.T. 0.003 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54

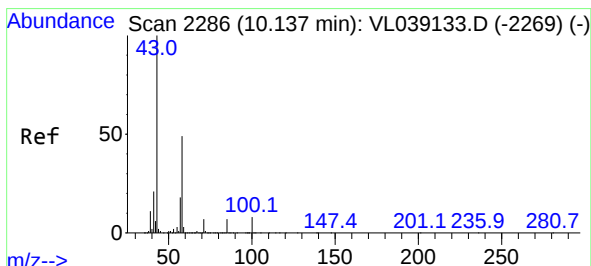
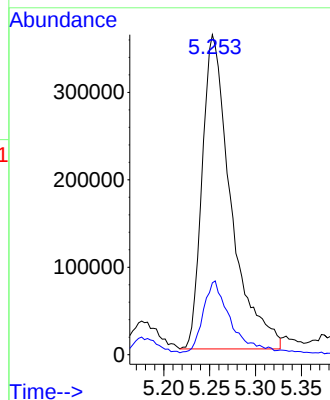
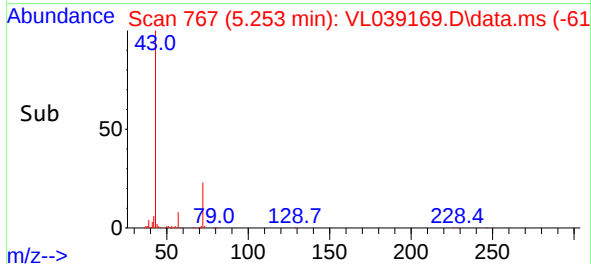
Instrument :
MSVOA_L
ClientSampleId :
SV4



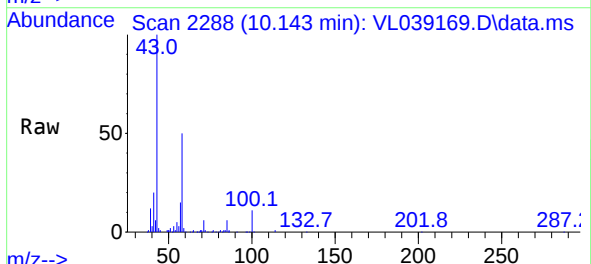
Tgt Ion: 43 Resp: 784054
Ion Ratio Lower Upper
43 100
72 23.5 18.2 27.2

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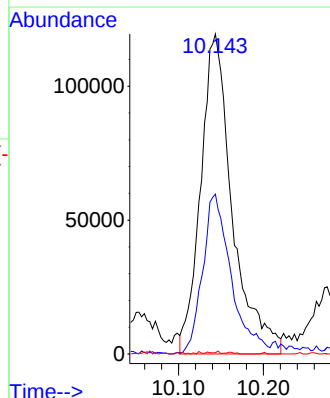
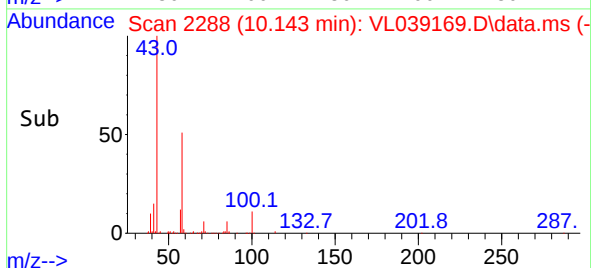
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

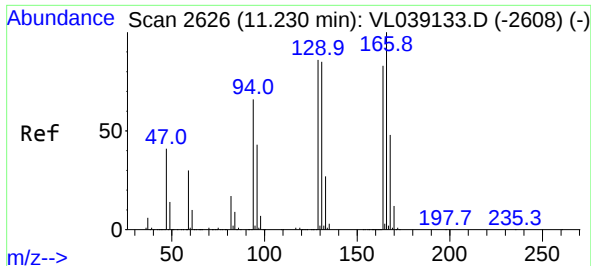


#51
2-Hexanone
Concen: 1.289 ppbv m
RT: 10.143 min Scan# 2288
Delta R.T. 0.006 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54



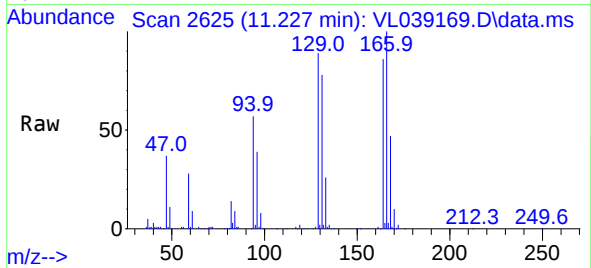
Tgt Ion: 43 Resp: 309583
Ion Ratio Lower Upper
43 100
58 46.9 40.0 60.0
98 0.5 0.1 0.1#





#52
Tetrachloroethene
Concen: 1.245 ppbv
RT: 11.227 min Scan# 2625
Delta R.T. -0.003 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54

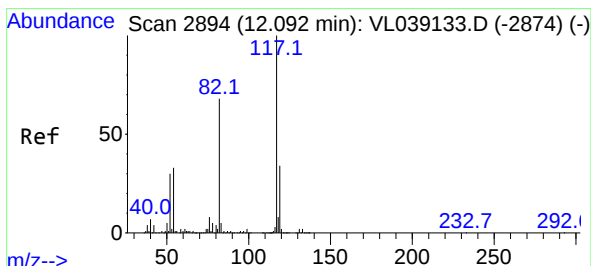
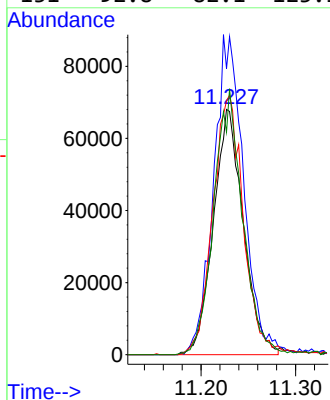
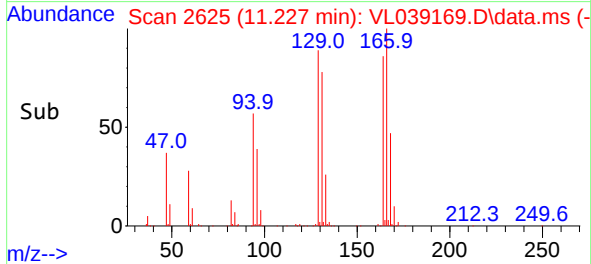
Instrument :
MSVOA_L
ClientSampleId :
SV4



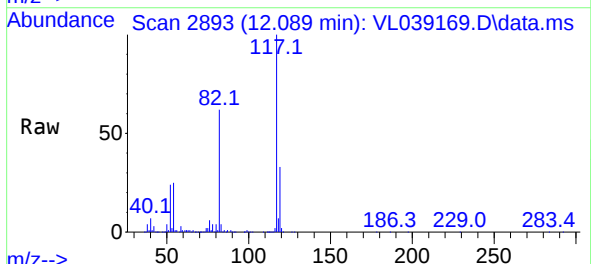
Tgt Ion:164 Resp: 149794
Ion Ratio Lower Upper
164 100
166 116.7 96.3 144.5
129 103.5 82.5 123.7
131 92.8 82.1 123.1

Manual Integrations
APPROVED

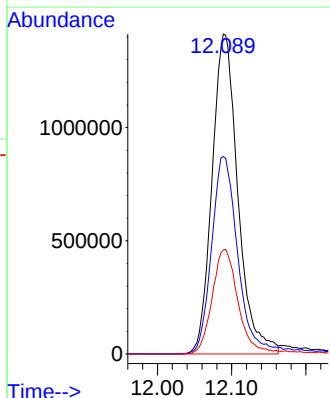
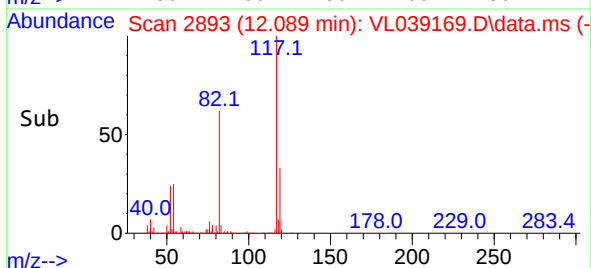
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

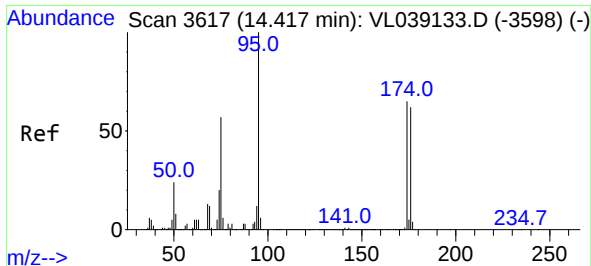


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. -0.003 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54



Tgt Ion:117 Resp: 3421831
Ion Ratio Lower Upper
117 100
82 64.6 55.1 82.7
119 33.3 24.7 37.1





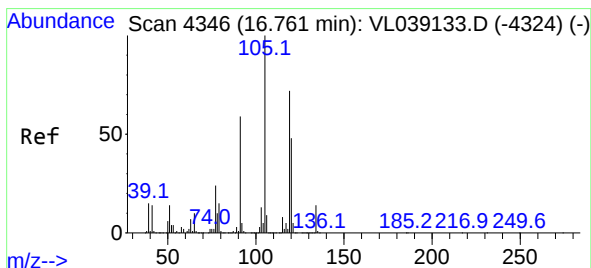
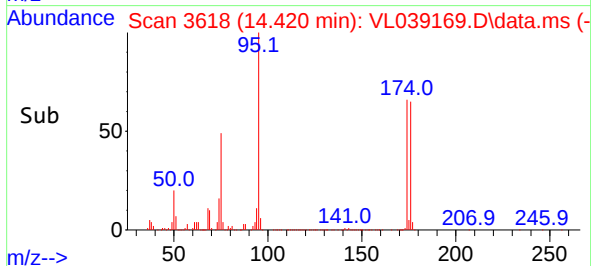
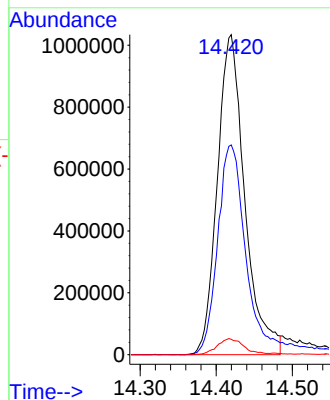
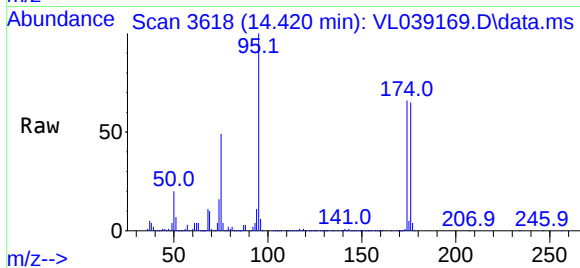
#68
1-Bromo-4-Fluorobenzene
Concen: 9.156 ppbv
RT: 14.420 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 95 Resp: 259027
Ion Ratio Lower Upper
95 100
174 72.1 53.8 80.8
175 5.5 4.1 6.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.106 ppbv
RT: 16.764 min Scan# 4347
Delta R.T. 0.003 min
Lab File: VL039169.D
Acq: 4 Jun 2022 1:54

Tgt Ion:105 Resp: 48642
Ion Ratio Lower Upper
105 100
120 42.4 38.1 57.1
91 13.0 47.4 71.0#
77 13.7 19.5 29.3#

