

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072522\
 Data File : VL039525.D
 Acq On : 25 Jul 2022 20:45
 Operator : SY/AP
 Sample : N3842-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2022
 Supervised By :Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 08:07:50 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	1157326	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.182	114	3186184	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.092	117	2890168	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2194173	10.234	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.300%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.973	51	122884	0.837	ppbv #	64
4) Chloromethane	3.147	50	27723m	0.345	ppbv	
9) Propene	3.025	41	59412m	0.896	ppbv	
10) Heptane	8.134	43	62875	0.405	ppbv	93
13) Ethanol	3.610	45	51113m	13.286	ppbv	
15) Acetone	3.851	43	1819493	13.289	ppbv	94
17) tert-Butyl alcohol	4.295	59	97285m	0.837	ppbv	
20) Methylene Chloride	4.353	84	129020	2.364	ppbv	89
23) Vinyl Acetate	5.079	43	473743	5.177	ppbv #	98
26) Hexane	5.697	57	1053847	9.312	ppbv #	37
29) Chloroform	5.758	83	106267m	0.540	ppbv	
31) cis-1,2-Dichloroethene	5.558	61	30929	0.258	ppbv	96
34) 2-Butanone	5.250	43	183541	1.144	ppbv #	86
38) Trichloroethene	7.838	130	162483m	1.218	ppbv	
51) 2-Hexanone	10.147	43	136001m	0.741	ppbv	
52) Tetrachloroethene	11.227	164	620129	6.247	ppbv	94
53) Toluene	9.809	91	36589	0.129	ppbv	96
59) m/p-Xylene	12.973	91	41019m	0.125	ppbv	
74) 1,2,4-Trimethylbenzene	16.764	105	88160m	0.237	ppbv	

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

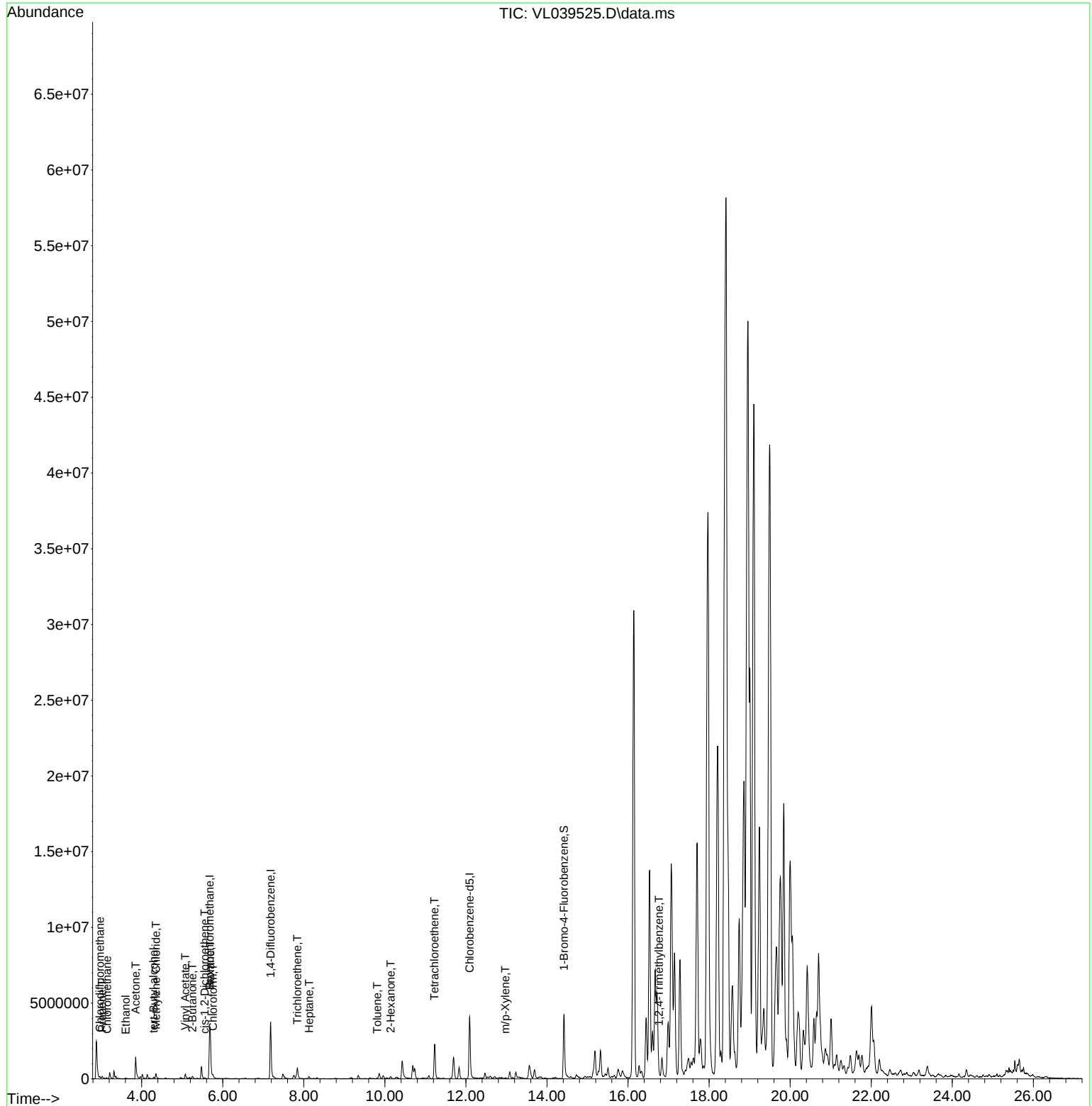
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072522\
Data File : VL039525.D
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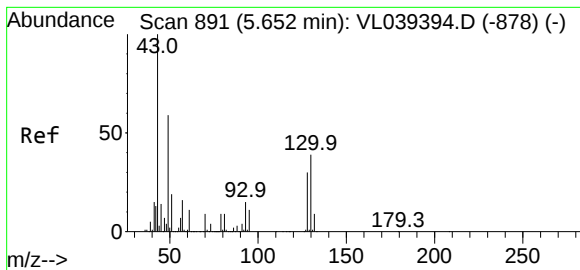
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jul 26 08:07:50 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
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Manual Integrations
APPROVED

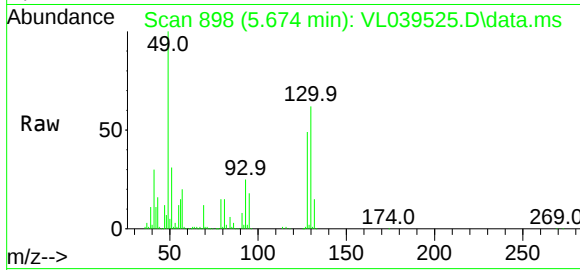
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 891
Delta R.T. 0.023 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

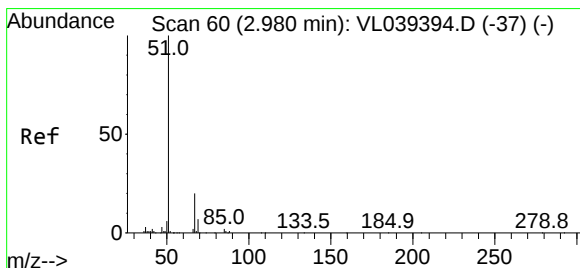
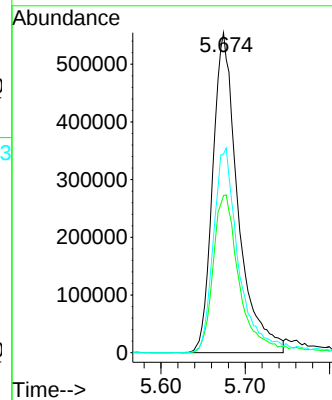
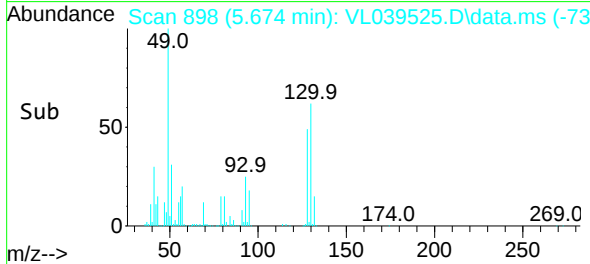
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 1157320
Ion Ratio Lower Upper
49 100
128 52.7 26.7 80.0
130 66.6 34.3 102.8

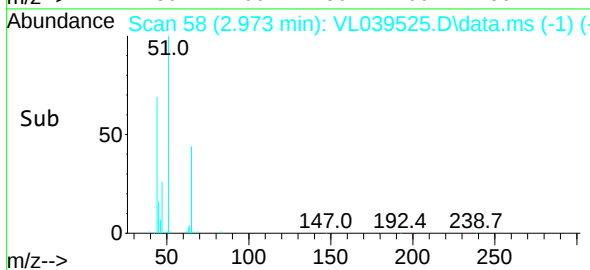
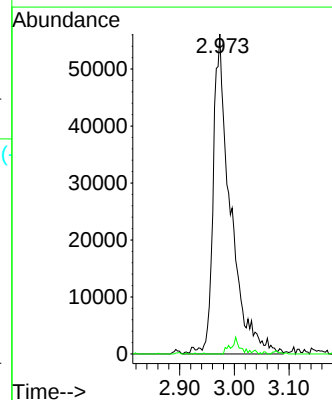
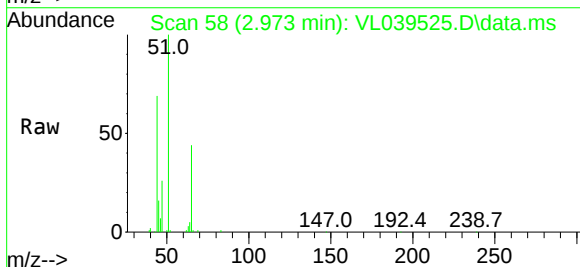
Manual Integrations
APPROVED

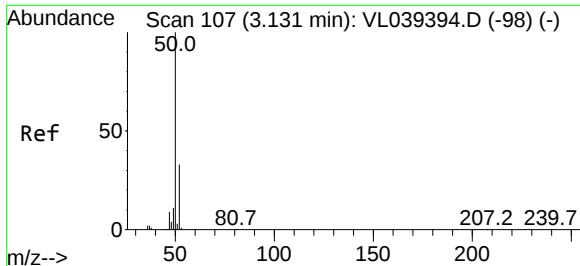
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#3
Chlorodifluoromethane
Concen: 0.837 ppbv
RT: 2.973 min Scan# 58
Delta R.T. -0.006 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

Tgt Ion: 51 Resp: 122884
Ion Ratio Lower Upper
51 100
67 3.0 15.7 23.5





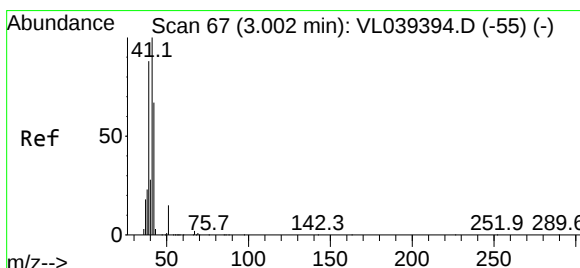
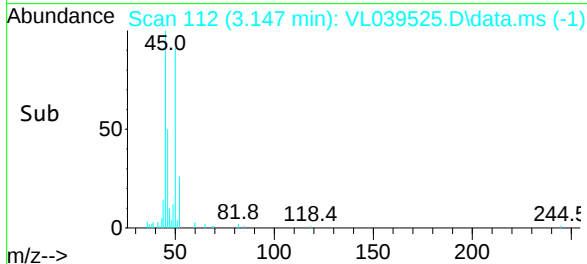
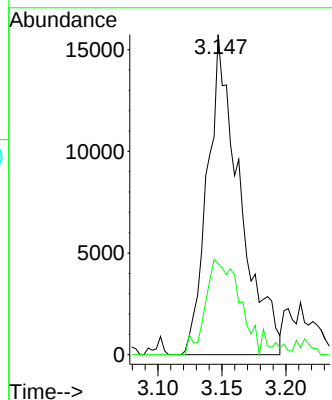
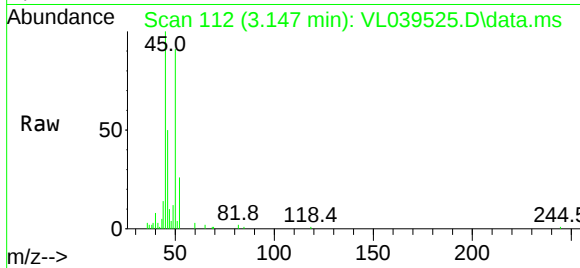
#4
Chloromethane
Concen: 0.345 ppbv m
RT: 3.147 min Scan# 112
Delta R.T. 0.016 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 50 Resp: 2772
Ion Ratio Lower Upper
50 100
52 28.5 26.5 39.7

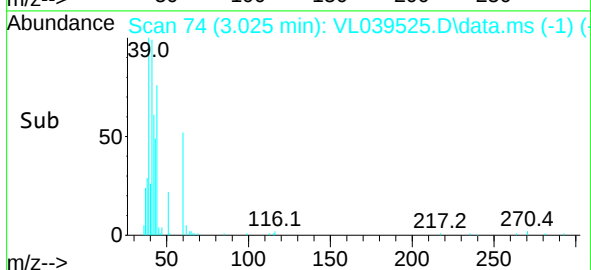
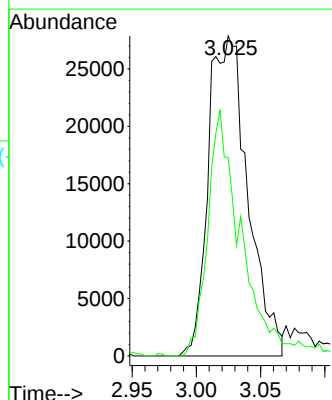
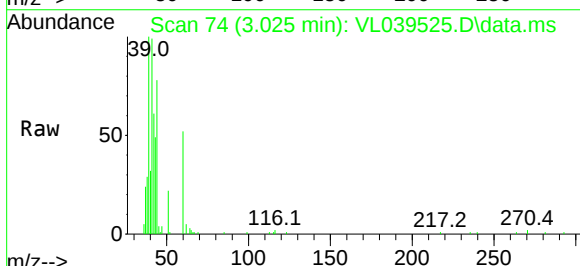
Manual Integrations
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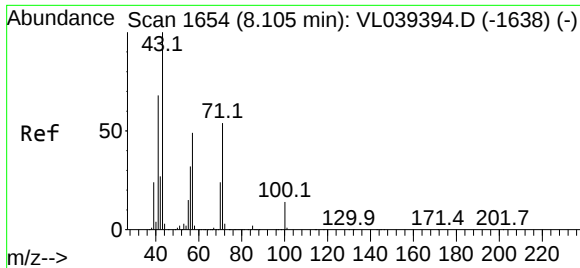
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#9
Propene
Concen: 0.896 ppbv m
RT: 3.025 min Scan# 74
Delta R.T. 0.023 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

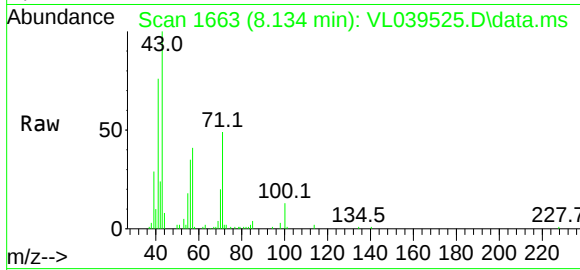
Tgt Ion: 41 Resp: 59412
Ion Ratio Lower Upper
41 100
42 29.2 55.2 82.8#





#10
Heptane
Concen: 0.405 ppbv
RT: 8.134 min Scan# 10
Delta R.T. 0.029 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

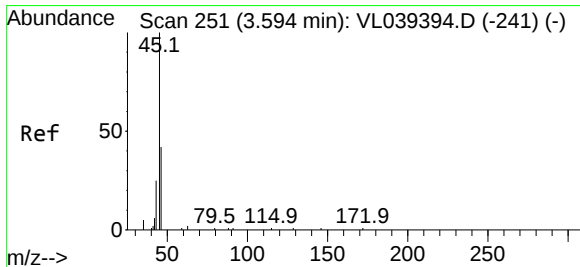
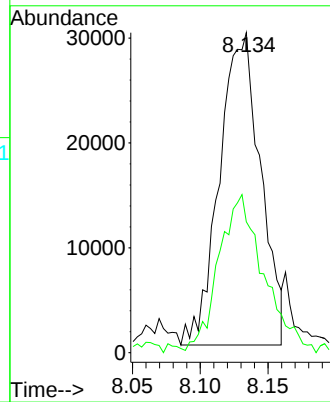
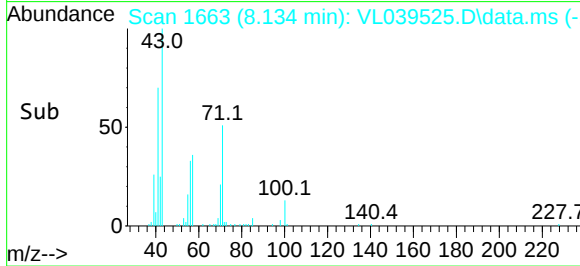
Instrument :
MSVOA_L
ClientSampleId :
SV1



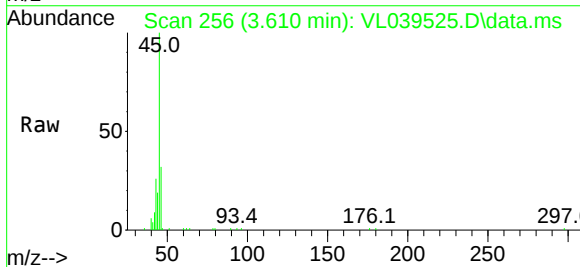
Tgt Ion: 43 Resp: 6287
Ion Ratio Lower Upper
43 100
57 55.4 40.5 60.7

Manual Integrations
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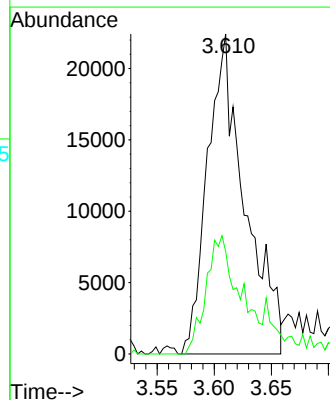
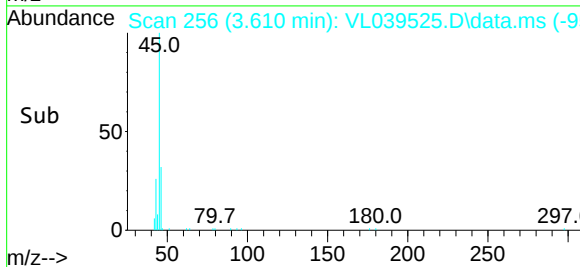
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022

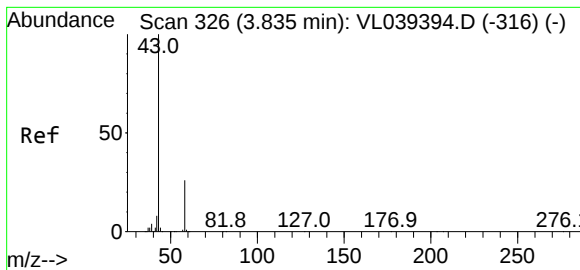


#13
Ethanol
Concen: 13.286 ppbv m
RT: 3.610 min Scan# 256
Delta R.T. 0.016 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45



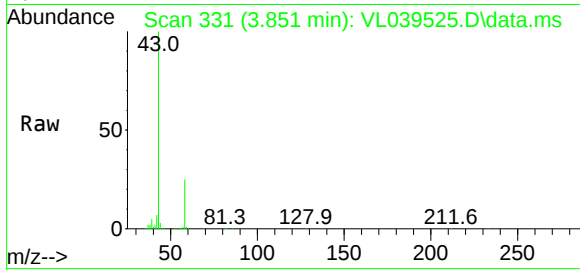
Tgt Ion: 45 Resp: 51113
Ion Ratio Lower Upper
45 100
46 39.4 22.8 91.2





#15
Acetone
Concen: 13.289 ppbv
RT: 3.851 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

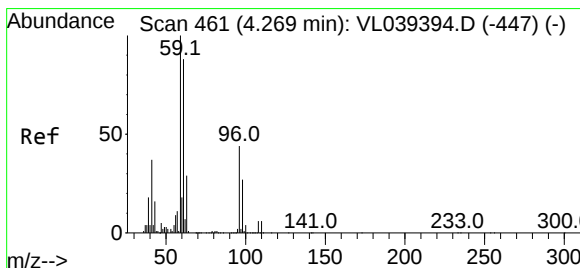
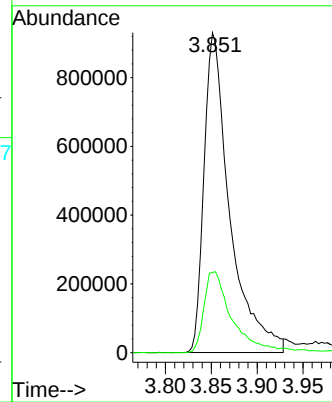
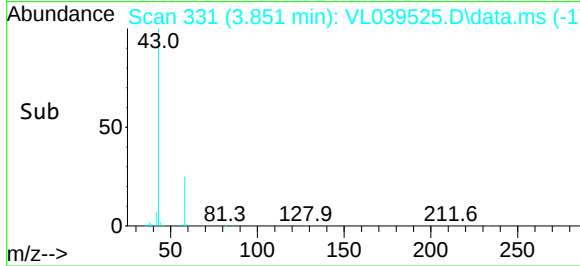
Instrument :
MSVOA_L
ClientSampleId :
SV1



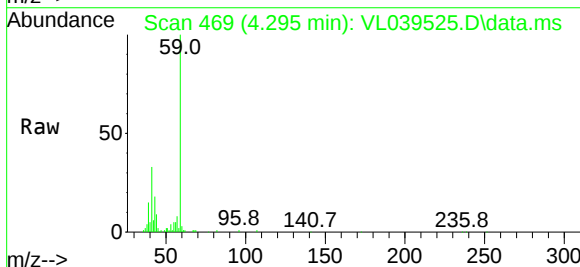
Tgt Ion: 43 Resp: 181949
Ion Ratio Lower Upper
43 100
58 29.3 21.0 31.6

Manual Integrations
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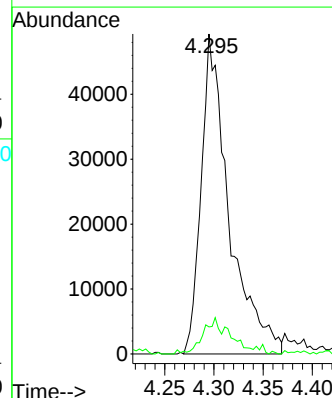
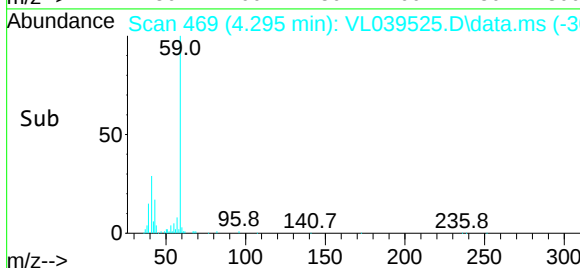
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022

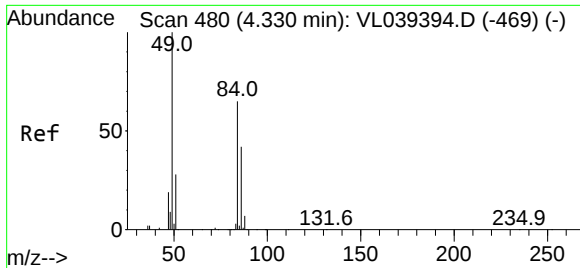


#17
tert-Butyl alcohol
Concen: 0.837 ppbv m
RT: 4.295 min Scan# 469
Delta R.T. 0.026 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45



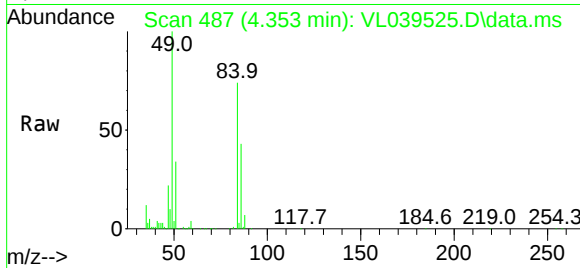
Tgt Ion: 59 Resp: 97285
Ion Ratio Lower Upper
59 100
57 11.7 8.7 13.1





#20
Methylene Chloride
Concen: 2.364 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.023 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

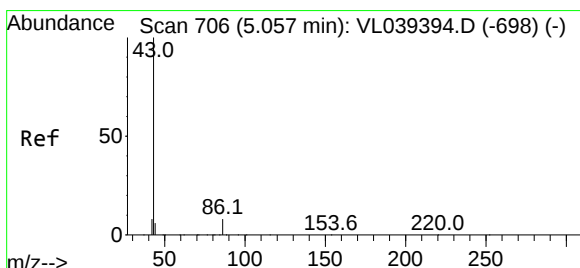
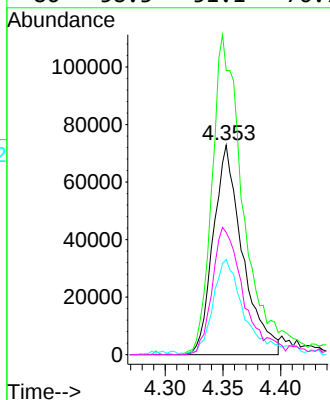
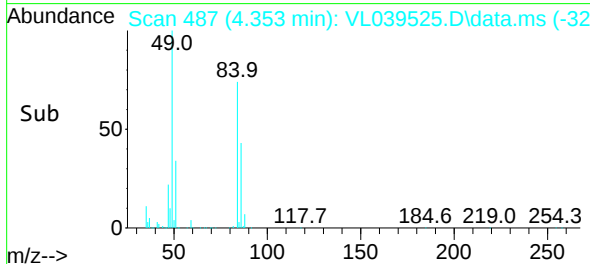
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 129020
Ion Ratio Lower Upper
84 100
49 135.5 123.1 184.7
51 44.9 34.4 51.6
86 58.3 51.1 76.7

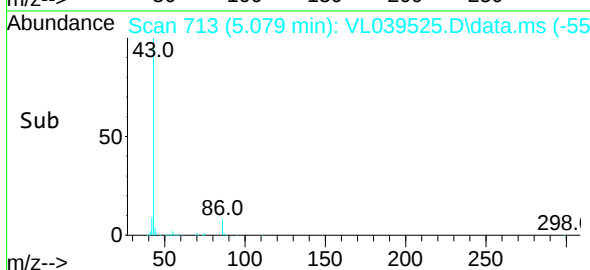
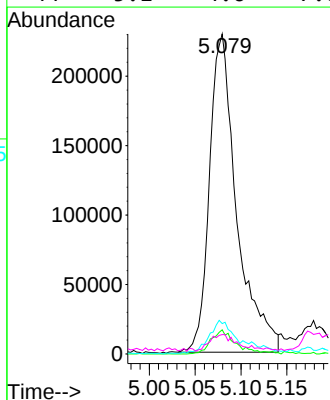
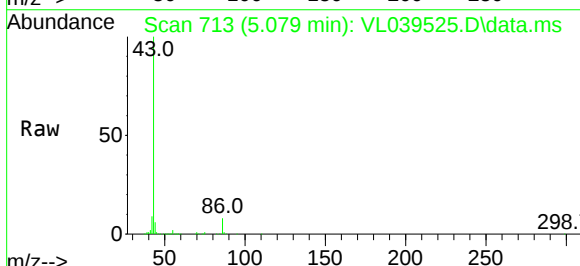
Manual Integrations
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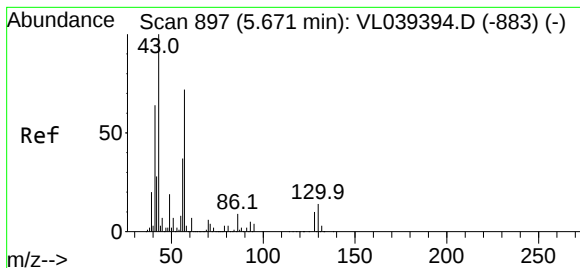
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#23
Vinyl Acetate
Concen: 5.177 ppbv
RT: 5.079 min Scan# 713
Delta R.T. 0.023 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

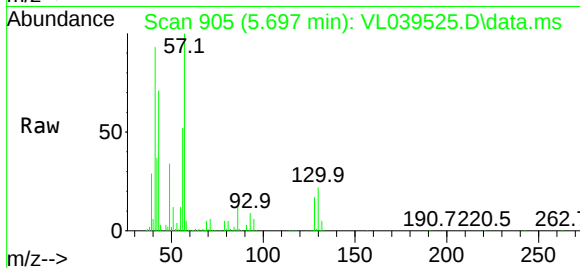
Tgt Ion: 43 Resp: 473743
Ion Ratio Lower Upper
43 100
86 7.6 5.0 7.6#
42 9.4 7.7 11.5
44 5.1 4.6 7.0





#26
Hexane
Concen: 9.312 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.026 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

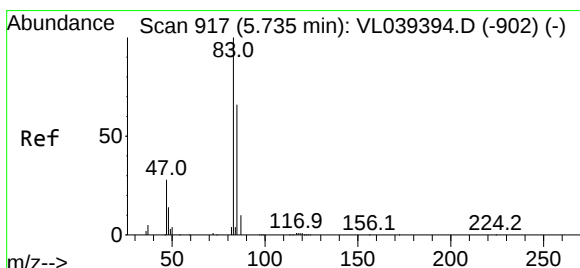
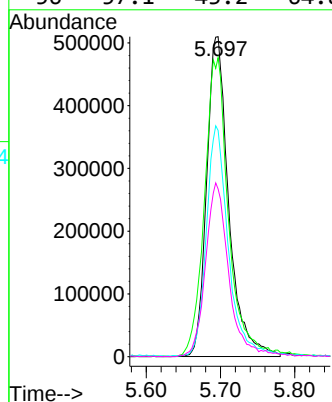
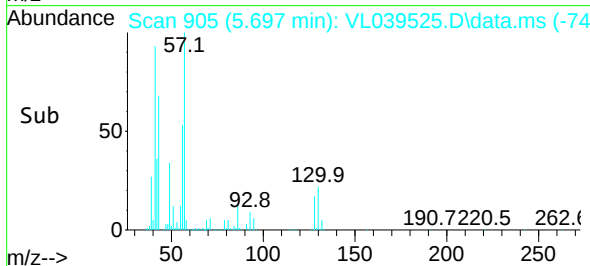
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 105384
Ion Ratio Lower Upper
57 100
41 103.0 76.9 115.3
43 72.3 191.0 286.6
56 57.1 43.2 64.8

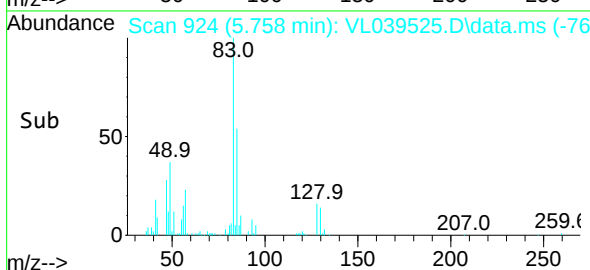
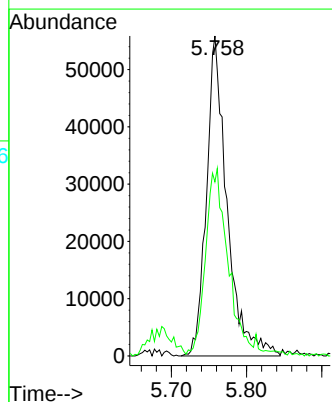
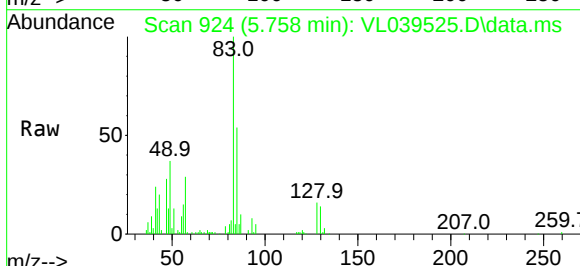
Manual Integrations
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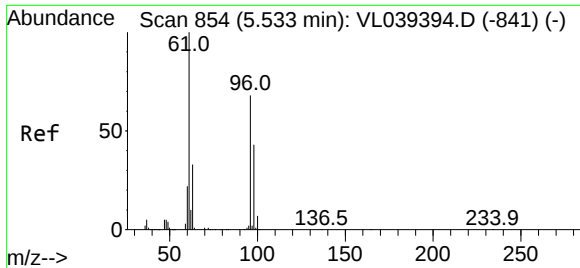
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#29
Chloroform
Concen: 0.540 ppbv m
RT: 5.758 min Scan# 924
Delta R.T. 0.023 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

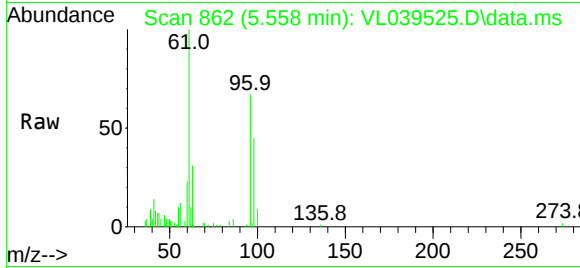
Tgt Ion: 83 Resp: 106267
Ion Ratio Lower Upper
83 100
85 54.4 52.8 79.2





#31
cis-1,2-Dichloroethene
Concen: 0.258 ppbv
RT: 5.558 min Scan# 80
Delta R.T. 0.026 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

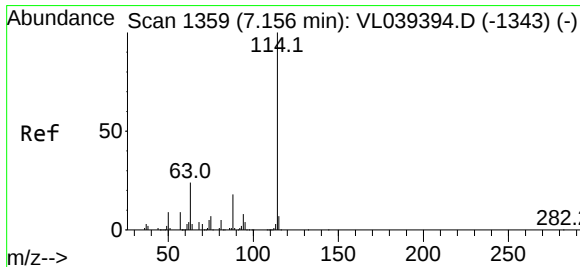
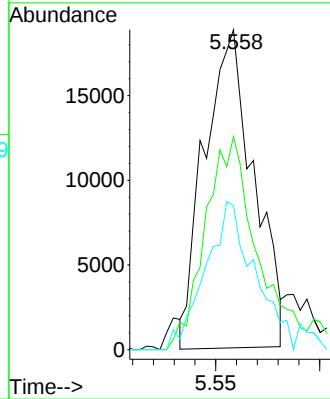
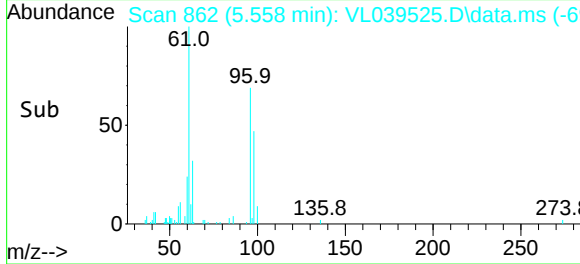
Instrument :
MSVOA_L
ClientSampleId :
SV1



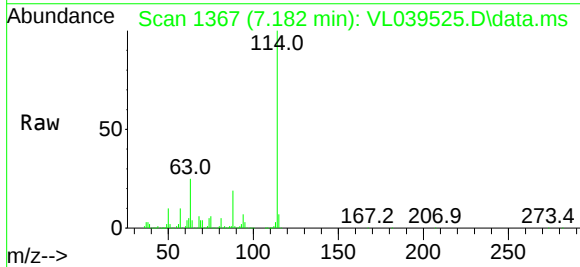
Tgt Ion: 61 Resp: 30929
Ion Ratio Lower Upper
61 100
96 64.1 54.1 81.1
98 46.1 34.6 52.0

Manual Integrations
APPROVED

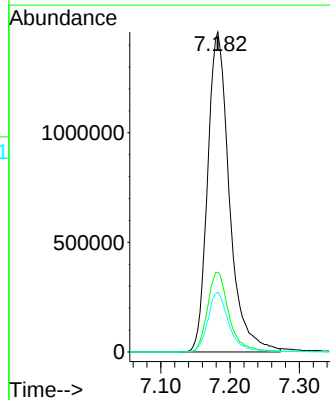
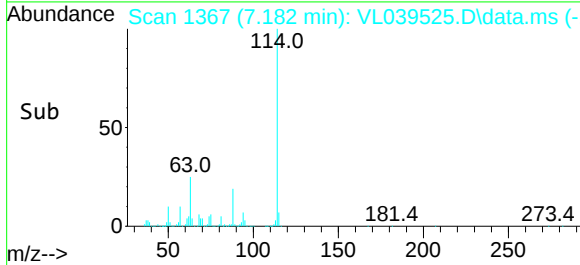
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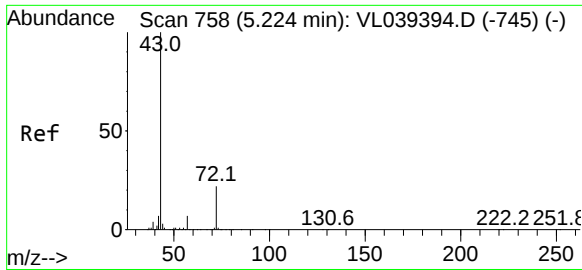


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 1367
Delta R.T. 0.026 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45



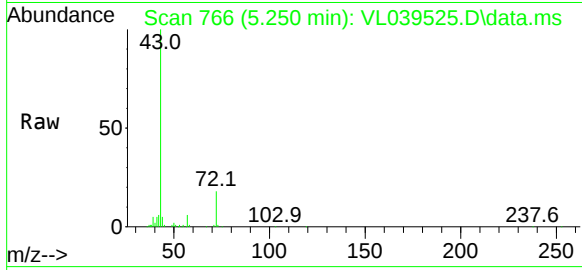
Tgt Ion:114 Resp: 3186184
Ion Ratio Lower Upper
114 100
63 24.9 20.2 30.4
88 18.3 14.5 21.7





#34
2-Butanone
Concen: 1.144 ppbv
RT: 5.250 min Scan# 70
Delta R.T. 0.026 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

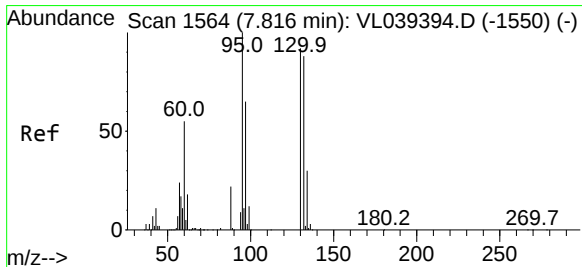
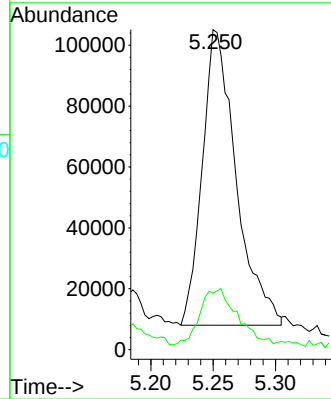
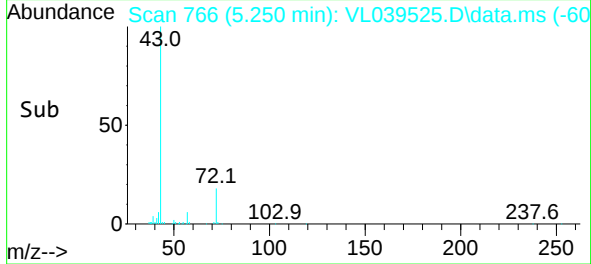
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 18354
Ion Ratio Lower Upper
43 100
72 29.2 17.9 26.9

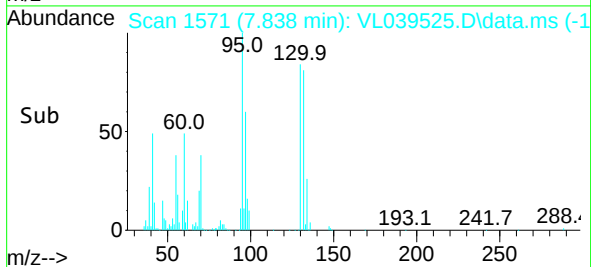
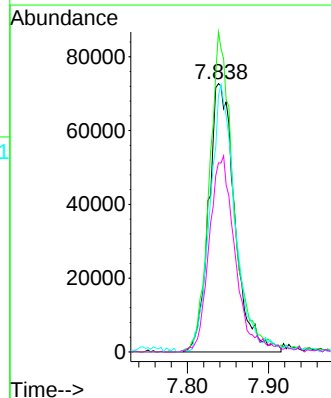
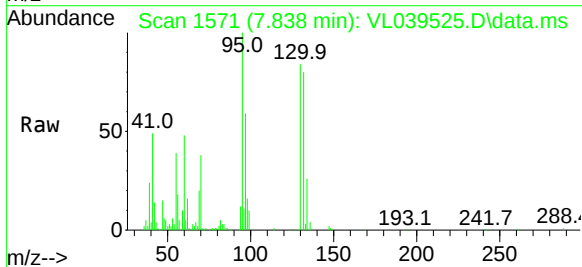
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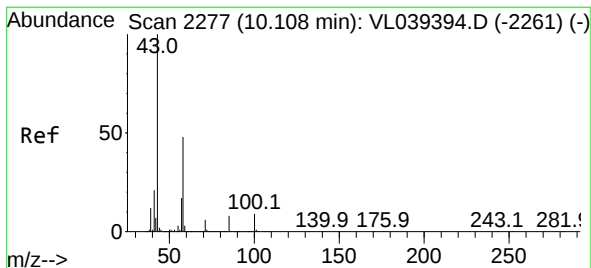
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#38
Trichloroethene
Concen: 1.218 ppbv m
RT: 7.838 min Scan# 1571
Delta R.T. 0.023 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

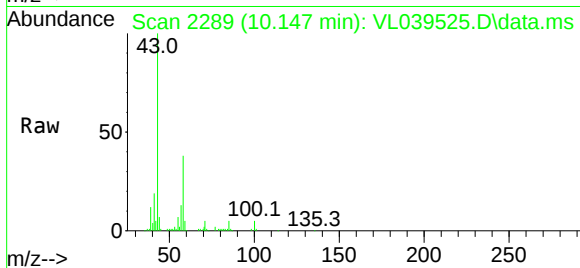
Tgt Ion:130 Resp: 162483
Ion Ratio Lower Upper
130 100
95 119.2 87.3 130.9
132 95.6 76.7 115.1
97 70.5 56.5 84.7





#51
2-Hexanone
Concen: 0.741 ppbv m
RT: 10.147 min Scan# 21
Delta R.T. 0.039 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

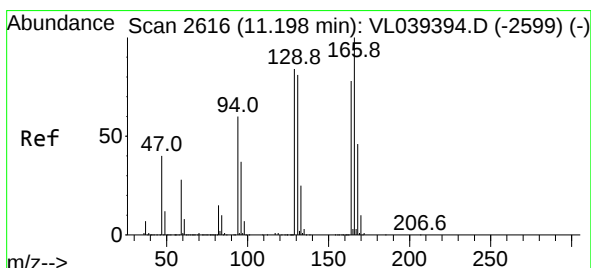
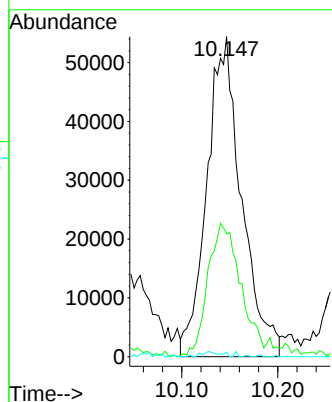
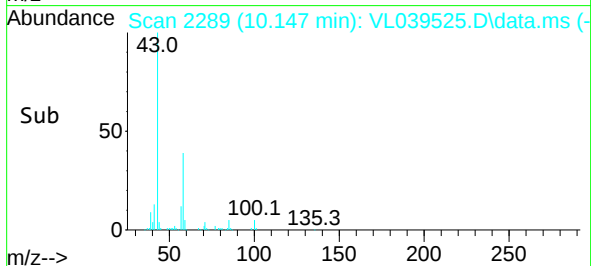
Instrument :
MSVOA_L
ClientSampleId :
SV1



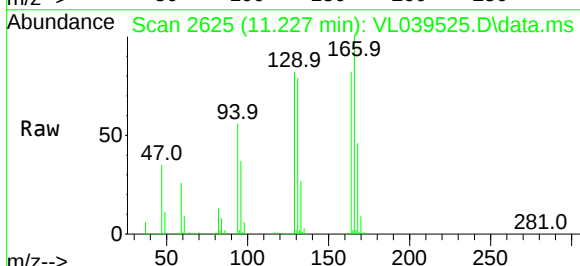
Tgt Ion: 43 Resp: 13600
Ion Ratio Lower Upper
43 100
58 43.0 38.4 57.6
98 1.0 0.3 0.5

Manual Integrations
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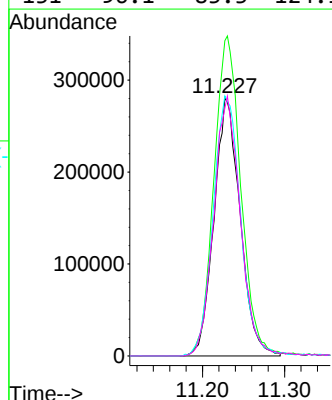
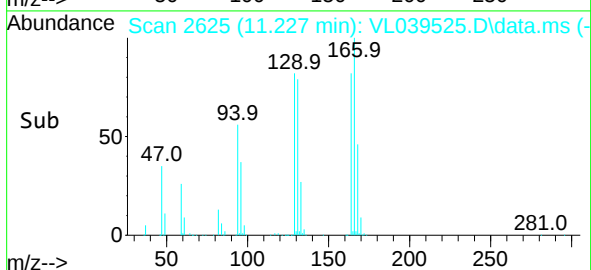
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022

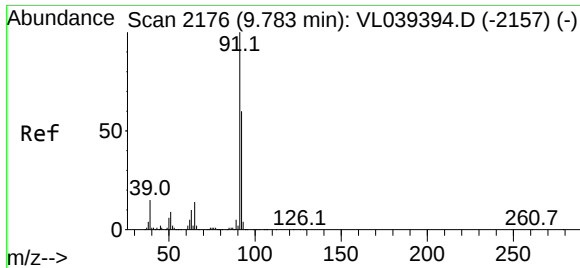


#52
Tetrachloroethene
Concen: 6.247 ppbv
RT: 11.227 min Scan# 2625
Delta R.T. 0.029 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45



Tgt Ion:164 Resp: 620129
Ion Ratio Lower Upper
164 100
166 122.3 102.2 153.2
129 100.8 85.8 128.8
131 96.1 83.3 124.9





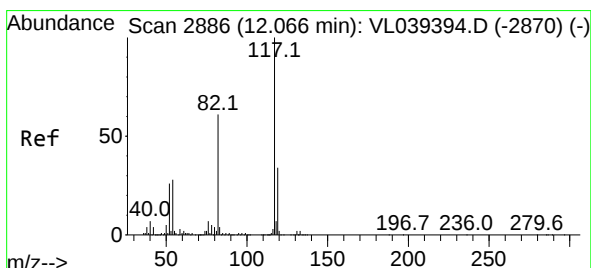
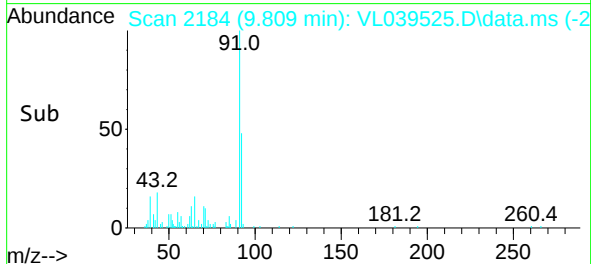
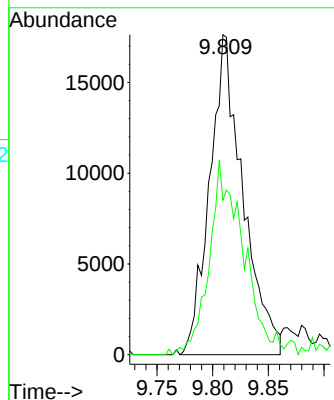
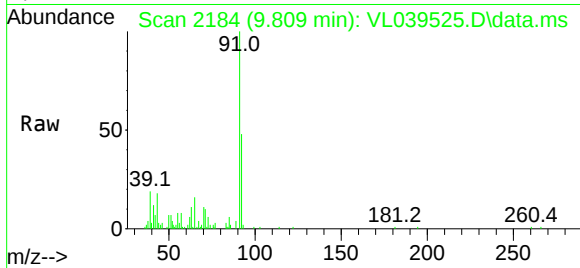
#53
Toluene
Concen: 0.129 ppbv
RT: 9.809 min Scan# 2176
Delta R.T. 0.026 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 3658
Ion Ratio Lower Upper
91 100
92 63.0 48.2 72.2

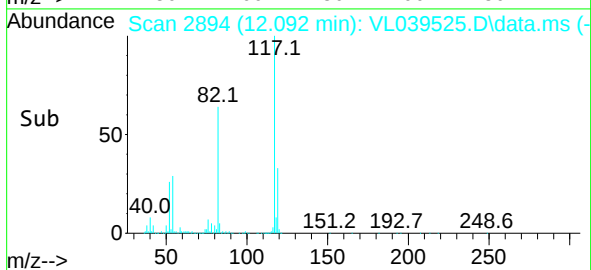
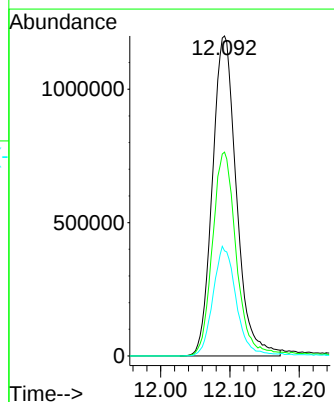
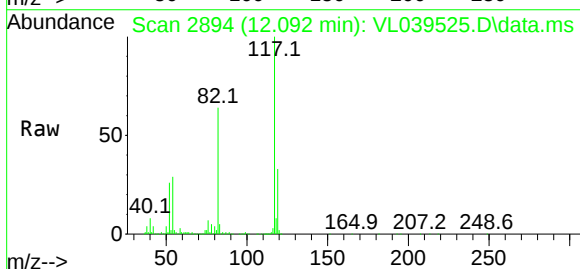
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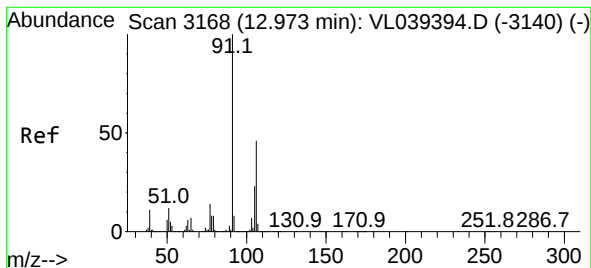
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.092 min Scan# 2894
Delta R.T. 0.026 min
Lab File: VL039525.D
Acq: 25 Jul 2022 20:45

Tgt Ion:117 Resp: 2890168
Ion Ratio Lower Upper
117 100
82 64.4 50.8 76.2
119 33.7 24.1 36.1





#59

m/p-Xylene

Concen: 0.125 ppbv

RT: 12.973 min Scan# 3168

Delta R.T. 0.000 min

Lab File: VL039525.D

Acq: 25 Jul 2022 20:45

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 41019

Ion Ratio Lower Upper

91 100

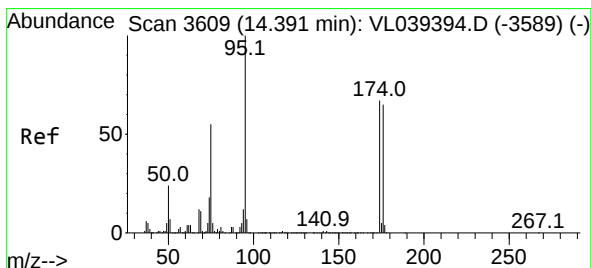
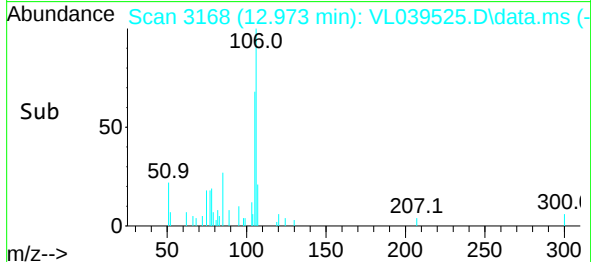
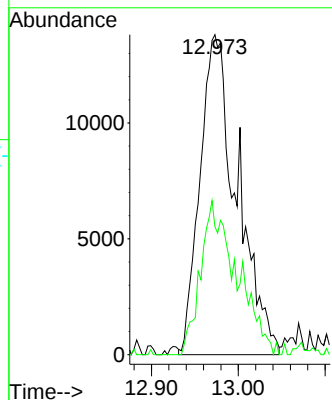
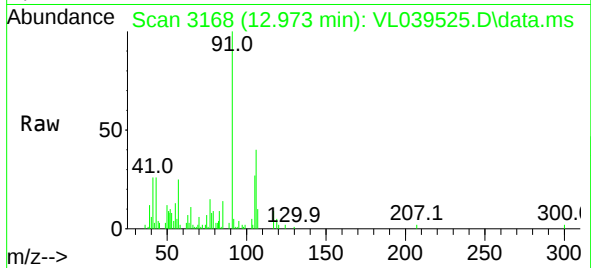
106 0.0 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2022

Supervised By :Mahesh Dadoda 07/26/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.234 ppbv

RT: 14.420 min Scan# 3618

Delta R.T. 0.029 min

Lab File: VL039525.D

Acq: 25 Jul 2022 20:45

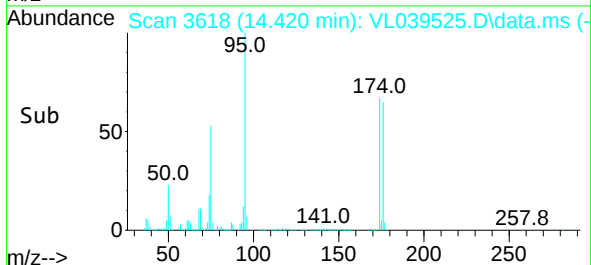
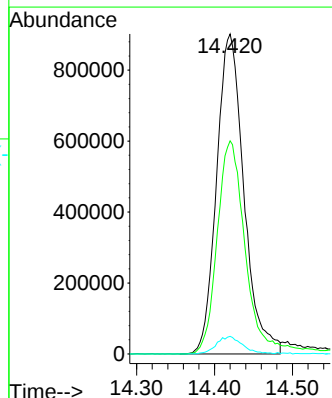
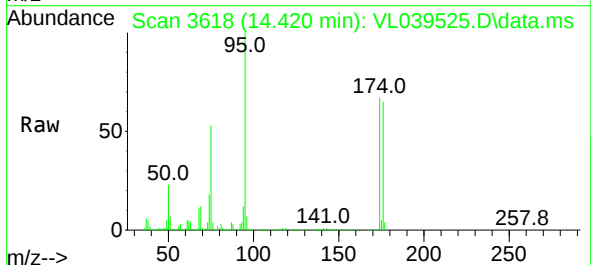
Tgt Ion: 95 Resp: 2194173

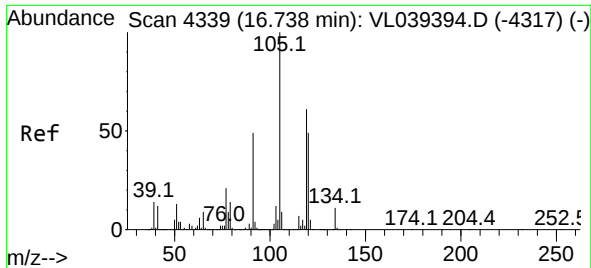
Ion Ratio Lower Upper

95 100

174 71.4 55.9 83.9

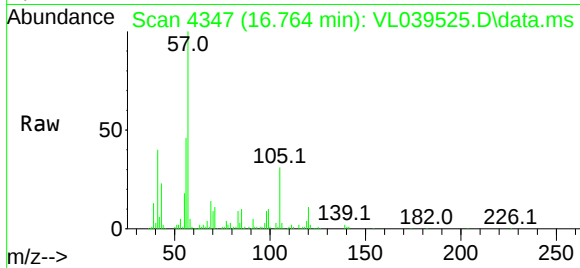
175 5.4 4.2 6.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.237 ppbv m
 RT: 16.764 min Scan# 41
 Delta R.T. 0.026 min
 Lab File: VL039525.D
 Acq: 25 Jul 2022 20:45

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion:105 Resp: 88160
 Ion Ratio Lower Upper
 105 100
 120 36.6 39.5 59.3
 91 15.6 39.2 58.8
 77 11.5 17.2 25.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2022
 Supervised By :Mahesh Dadoda 07/26/2022

