

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039491.D
 Acq On : 19 Jul 2022 21:15
 Operator : SY/AP
 Sample : N3750-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 20 05:41:45 2022

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

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

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	5.681	49	1289450	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.198	114	3626412	10.000	ppbv	0.04
55) Chlorobenzene-d5	12.102	117	3263177	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.433	95	2400405	9.916	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
9) Propene	3.025	41	261774	3.543	ppbv	85
10) Heptane	8.147	43	85160	0.492	ppbv	94
15) Acetone	3.854	43	4158452	27.259	ppbv	97
17) tert-Butyl alcohol	4.295	59	62862m	0.486	ppbv	
19) Isopropyl Alcohol	3.970	45	1408637	17.311	ppbv	99
20) Methylene Chloride	4.353	84	141272	2.323	ppbv	94
26) Hexane	5.700	57	1802528	14.296	ppbv #	38
27) Carbon Disulfide	4.558	76	54885	0.361	ppbv #	90
28) Methyl tert-Butyl Ether	5.060	73	23201	0.172	ppbv	99
29) Chloroform	5.764	83	3798176	17.323	ppbv	99
32) 1,1,1-Trichloroethane	6.529	97	130763	0.604	ppbv	98
34) 2-Butanone	5.269	43	192055	1.052	ppbv	95
36) Benzene	6.915	78	170577	0.608	ppbv	92
38) Trichloroethene	7.899	130	39261484m	258.635	ppbv	
47) 1,1,2-Trichloroethane	9.491	97	30159m	0.256	ppbv	
52) Tetrachloroethene	11.246	164	1105513	9.785	ppbv	96
53) Toluene	9.828	91	118305	0.365	ppbv	97
59) m/p-Xylene	12.989	91	70849m	0.191	ppbv	
60) o-Xylene	13.706	91	37519	0.107	ppbv	96
74) 1,2,4-Trimethylbenzene	16.773	105	99660m	0.237	ppbv	

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

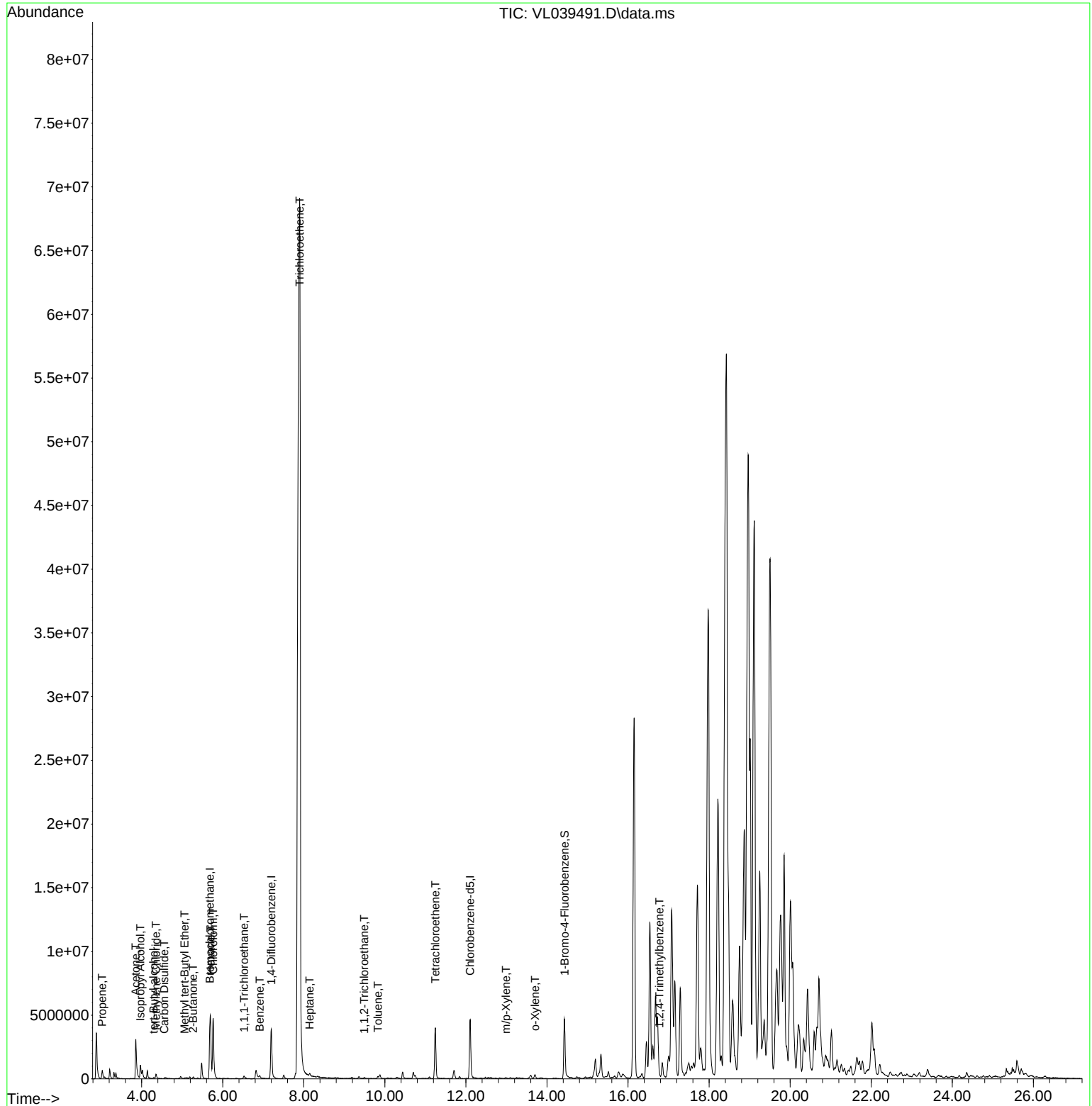
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
Data File : VL039491.D
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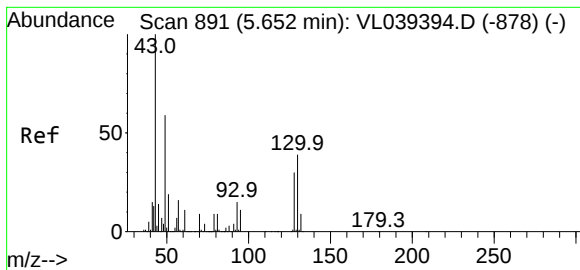
Instrument :
MSVOA_L
ClientSampleId :
SV-4

Quant Time: Jul 20 05:41:45 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
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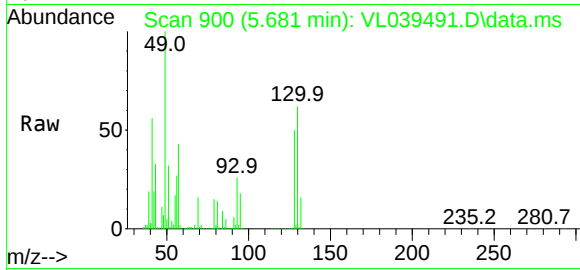
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.681 min Scan# 90
Delta R.T. 0.029 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

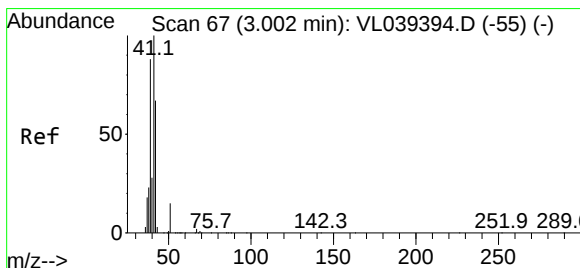
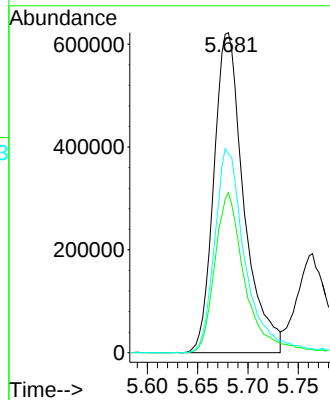
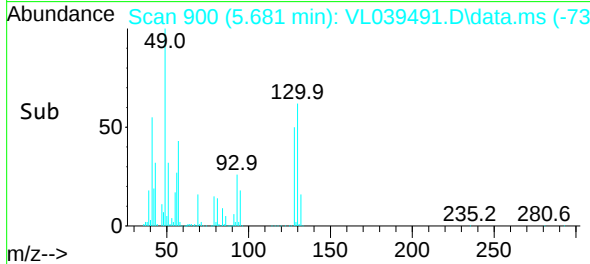
Instrument :
MSVOA_L
ClientSampleId :
SV-4



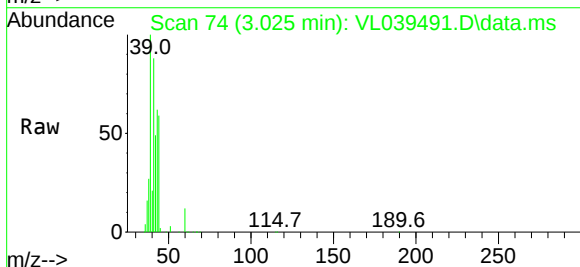
Tgt Ion: 49 Resp: 1289450
Ion Ratio Lower Upper
49 100
128 51.0 26.7 80.0
130 66.4 34.3 102.8

Manual Integrations
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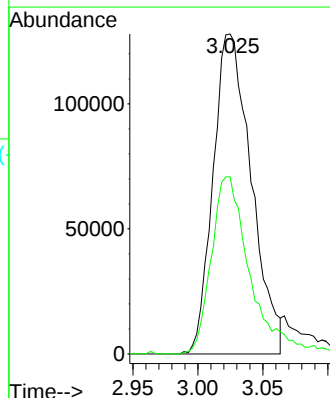
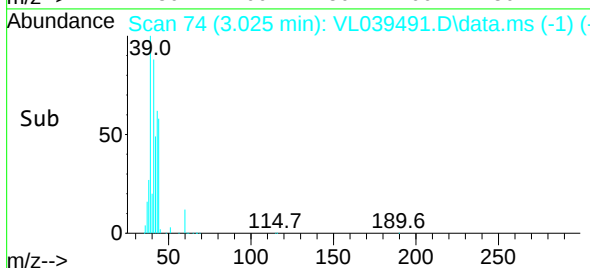
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

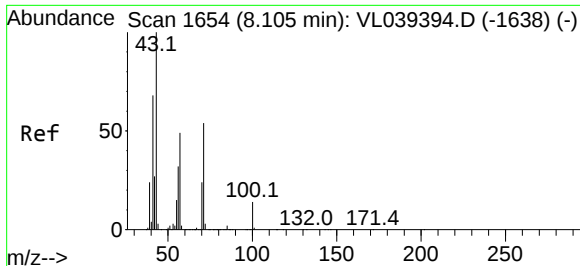


#9
Propene
Concen: 3.543 ppbv
RT: 3.025 min Scan# 74
Delta R.T. 0.022 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15



Tgt Ion: 41 Resp: 261774
Ion Ratio Lower Upper
41 100
42 56.5 55.2 82.8





#10

Heptane

Concen: 0.492 ppbv

RT: 8.147 min Scan# 1

Delta R.T. 0.042 min

Lab File: VL039491.D

Acq: 19 Jul 2022 21:15

Instrument :

MSVOA_L

ClientSampleId :

SV-4

Tgt Ion: 43 Resp: 85160

Ion Ratio Lower Upper

43 100

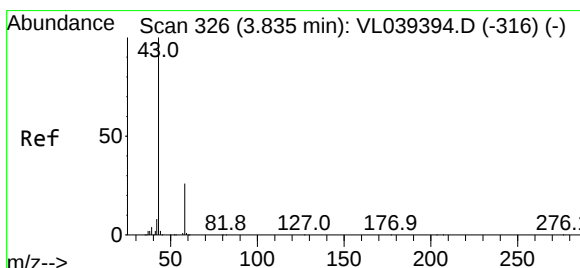
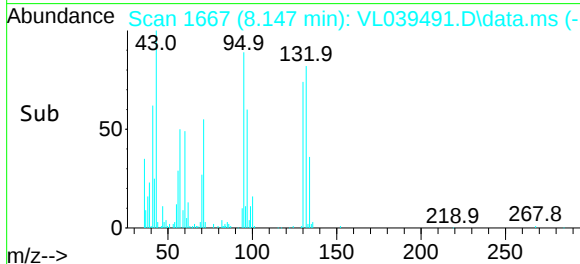
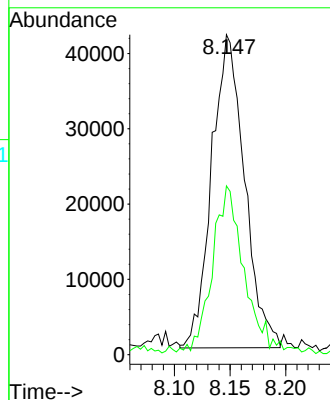
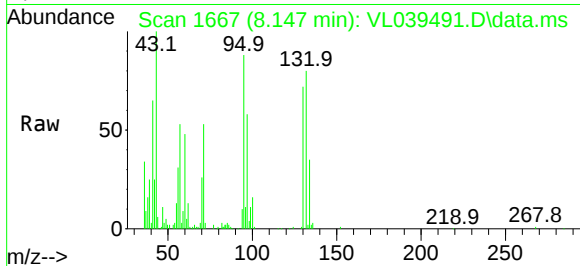
57 55.0 40.5 60.7

Manual Integrations

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#15

Acetone

Concen: 27.259 ppbv

RT: 3.854 min Scan# 332

Delta R.T. 0.019 min

Lab File: VL039491.D

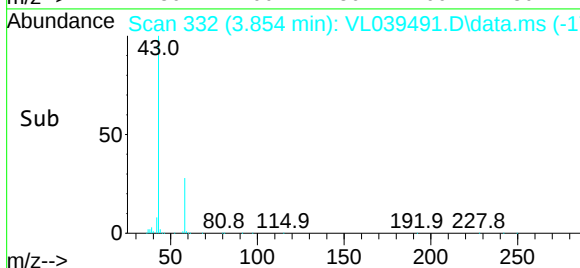
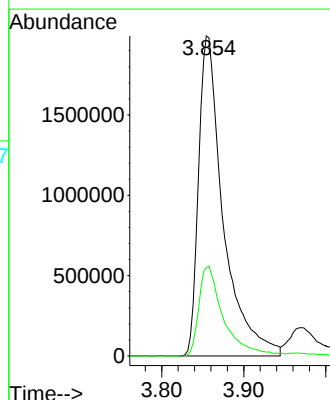
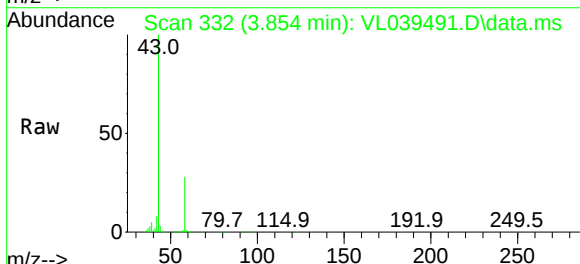
Acq: 19 Jul 2022 21:15

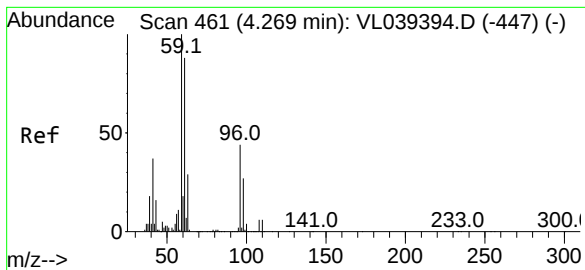
Tgt Ion: 43 Resp: 4158452

Ion Ratio Lower Upper

43 100

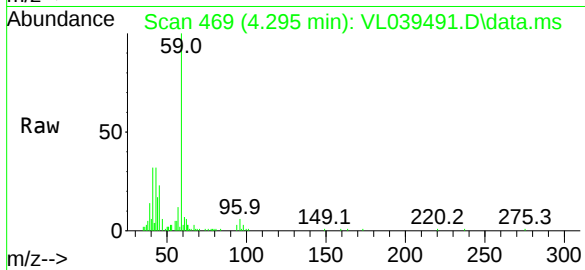
58 28.0 21.0 31.6





#17
tert-Butyl alcohol
Concen: 0.486 ppbv
RT: 4.295 min Scan# 469
Delta R.T. 0.026 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

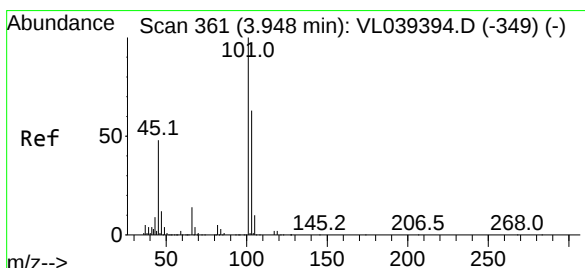
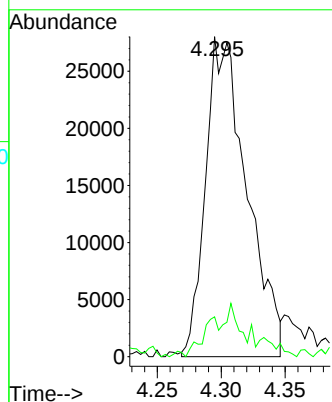
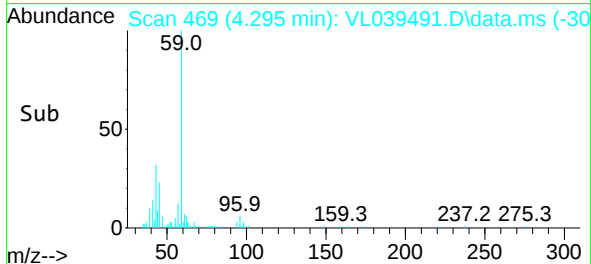
Instrument :
MSVOA_L
ClientSampleId :
SV-4



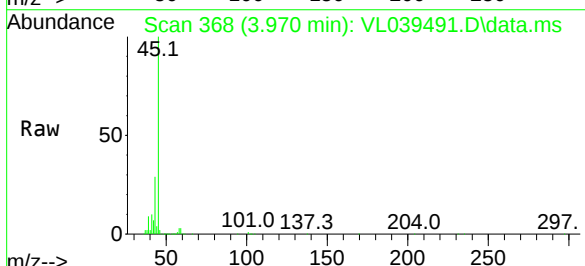
Tgt Ion: 59 Resp: 62862
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1

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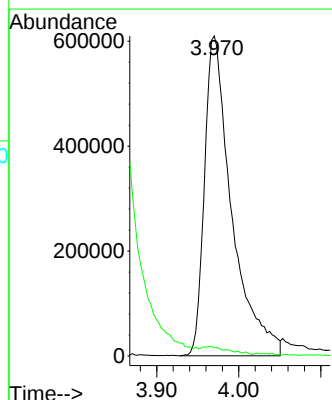
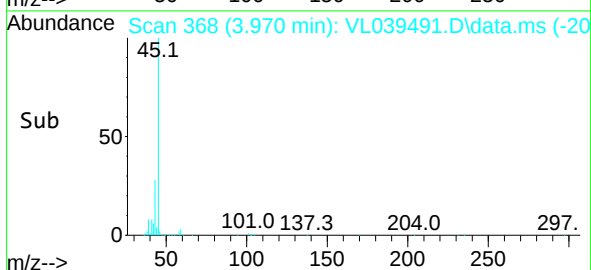
Reviewed By :Semsettin Yesilyurt 07/20/2022
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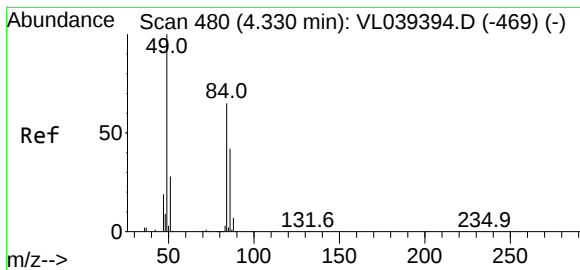


#19
Isopropyl Alcohol
Concen: 17.311 ppbv
RT: 3.970 min Scan# 368
Delta R.T. 0.022 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15



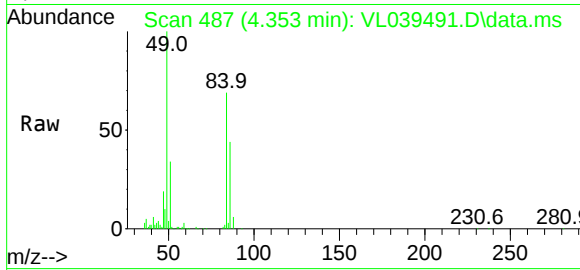
Tgt Ion: 45 Resp: 1408637
Ion Ratio Lower Upper
45 100
58 3.7 3.2 4.8





#20
Methylene Chloride
Concen: 2.323 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.022 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

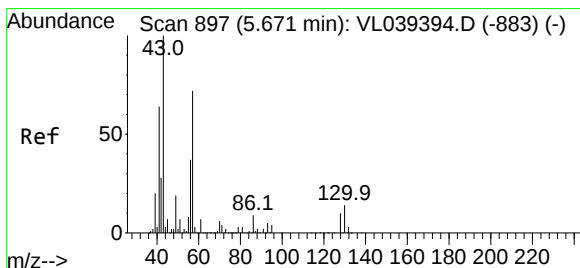
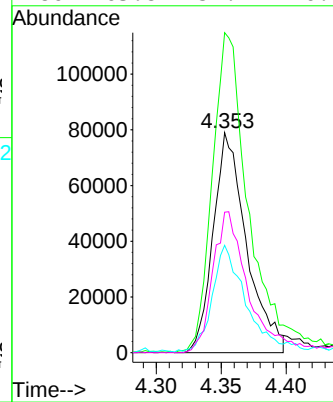
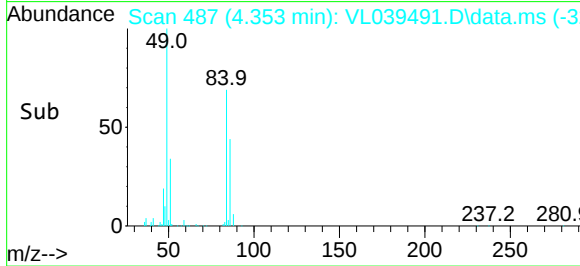
Instrument :
MSVOA_L
ClientSampleId :
SV-4



Tgt Ion: 84 Resp: 141272
Ion Ratio Lower Upper
84 100
49 144.6 123.1 184.7
51 48.1 34.4 51.6
86 63.8 51.1 76.7

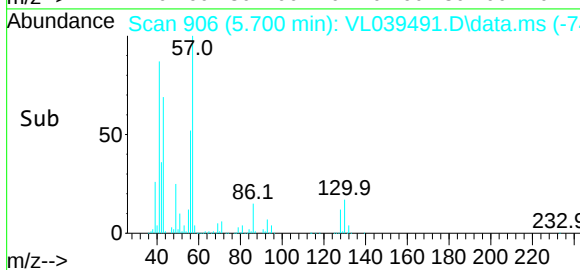
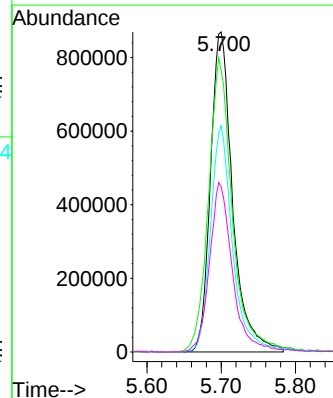
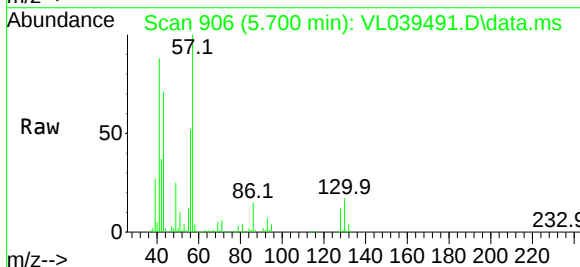
Manual Integrations
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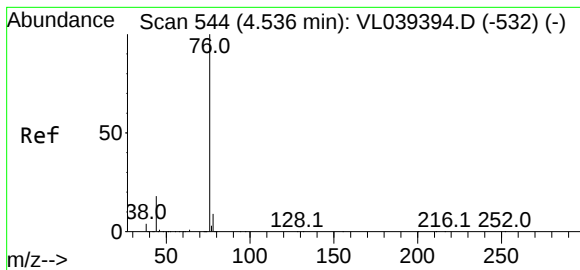
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#26
Hexane
Concen: 14.296 ppbv
RT: 5.700 min Scan# 906
Delta R.T. 0.029 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

Tgt Ion: 57 Resp: 1802528
Ion Ratio Lower Upper
57 100
41 99.3 76.9 115.3
43 70.8 191.0 286.6#
56 55.3 43.2 64.8





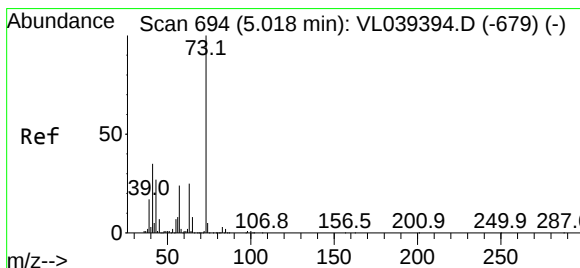
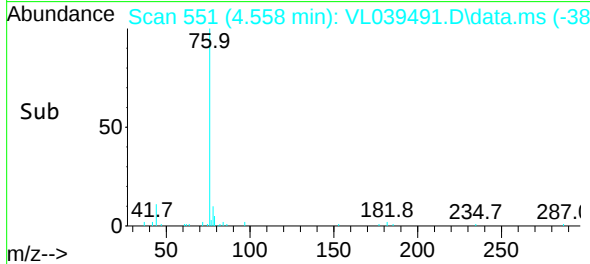
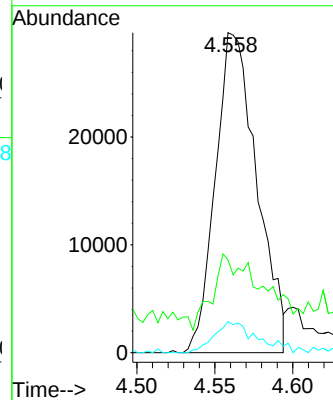
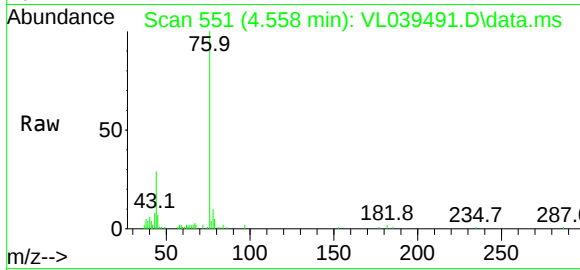
#27
Carbon Disulfide
Concen: 0.361 ppbv
RT: 4.558 min Scan# 51
Delta R.T. 0.022 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

Instrument :
MSVOA_L
ClientSampleId :
SV-4

Tgt Ion: 76 Resp: 5488
Ion Ratio Lower Upper
76 100
44 24.7 14.6 21.8
78 10.5 7.8 11.6

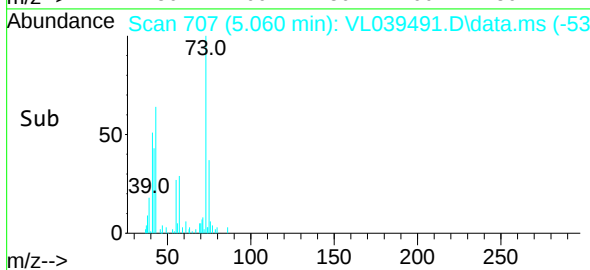
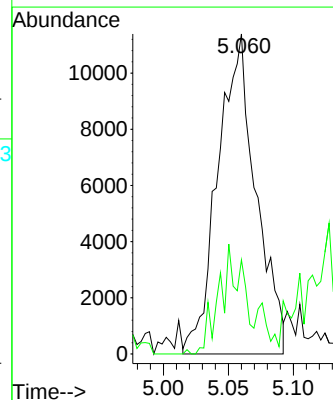
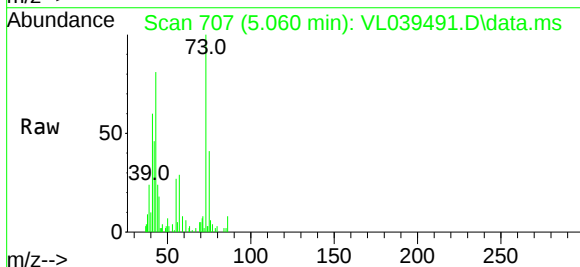
Manual Integrations
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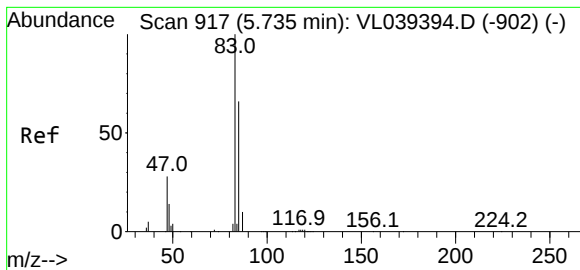
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#28
Methyl tert-Butyl Ether
Concen: 0.172 ppbv
RT: 5.060 min Scan# 707
Delta R.T. 0.042 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

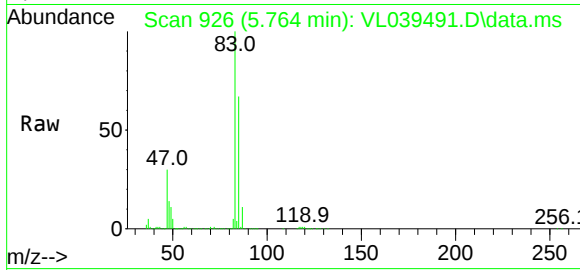
Tgt Ion: 73 Resp: 23201
Ion Ratio Lower Upper
73 100
57 25.2 19.8 29.8





#29
Chloroform
Concen: 17.323 ppbv
RT: 5.764 min Scan# 917
Delta R.T. 0.029 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

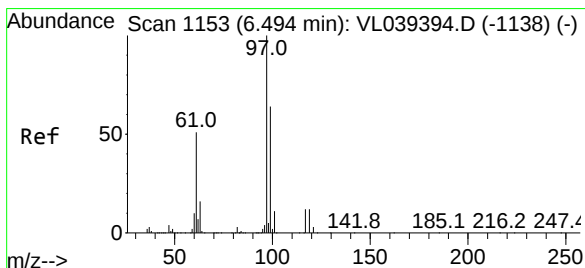
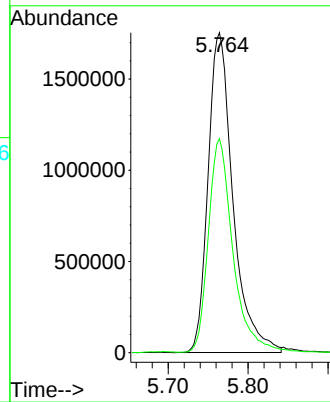
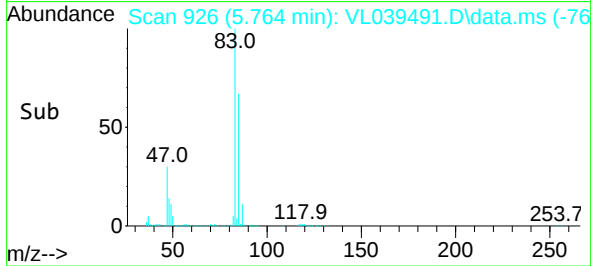
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ClientSampleId :
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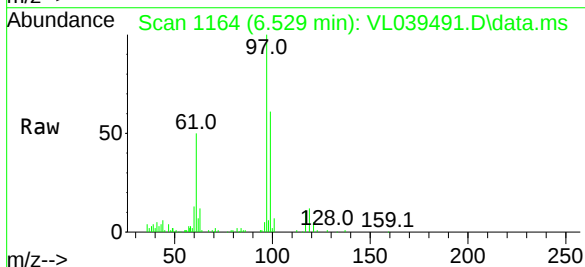
Tgt Ion: 83 Resp: 3798170
Ion Ratio Lower Upper
83 100
85 66.8 52.8 79.2

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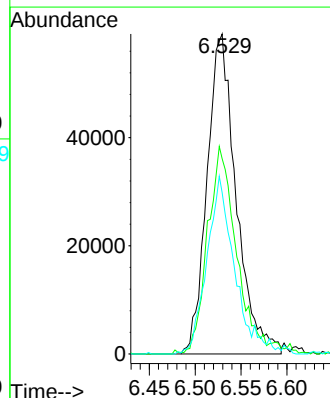
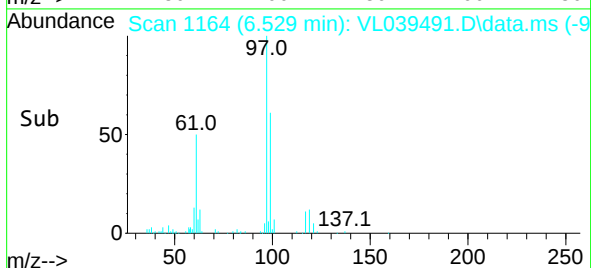
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Supervised By :Mahesh Dadoda 07/21/2022

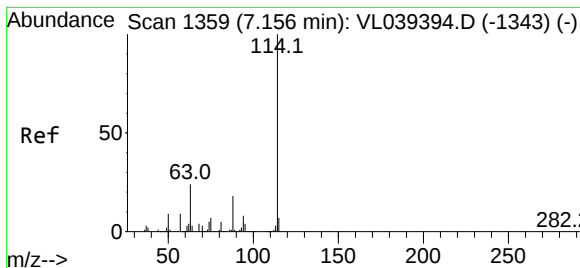


#32
1,1,1-Trichloroethane
Concen: 0.604 ppbv
RT: 6.529 min Scan# 1164
Delta R.T. 0.035 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15



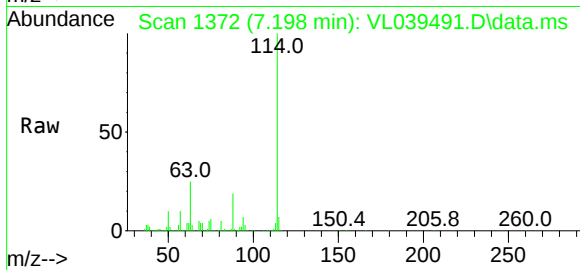
Tgt Ion: 97 Resp: 130763
Ion Ratio Lower Upper
97 100
99 65.9 52.3 78.5
61 53.2 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.198 min Scan# 114
Delta R.T. 0.042 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

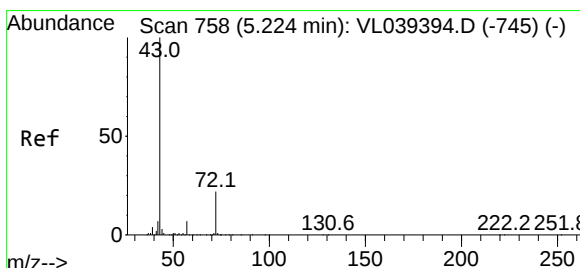
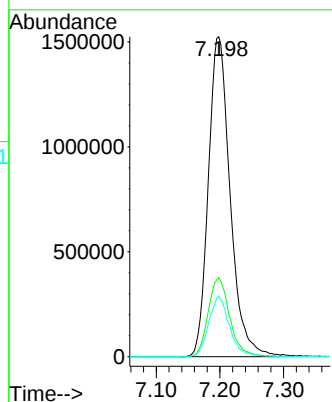
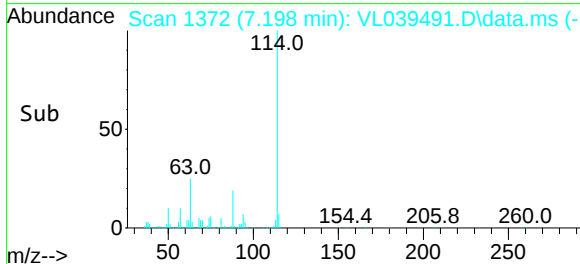
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MSVOA_L
ClientSampleId :
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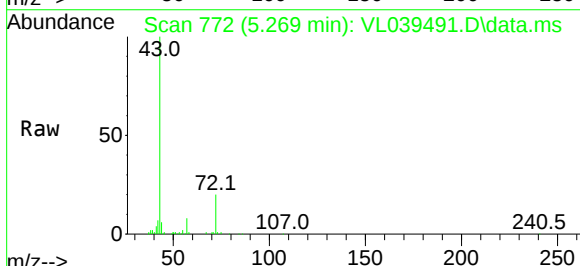
Tgt Ion:114 Resp: 362641
Ion Ratio Lower Upper
114 100
63 24.5 20.2 30.4
88 18.2 14.5 21.7

Manual Integrations
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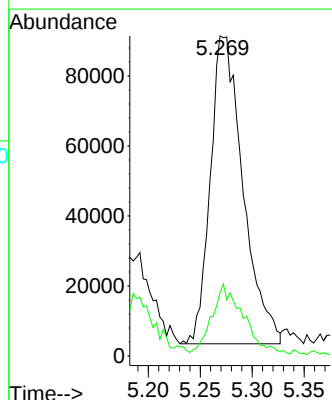
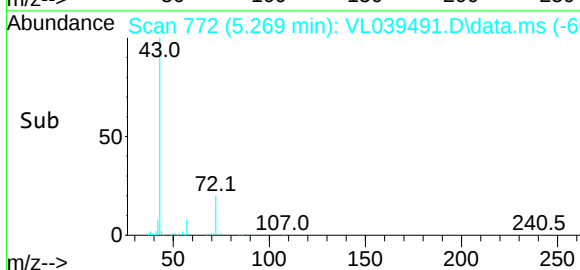
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

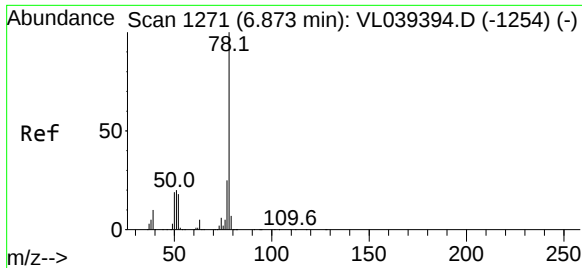


#34
2-Butanone
Concen: 1.052 ppbv
RT: 5.269 min Scan# 772
Delta R.T. 0.045 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15



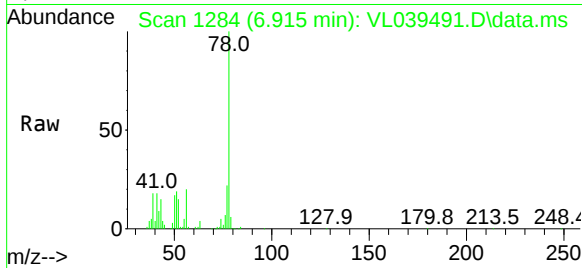
Tgt Ion: 43 Resp: 192055
Ion Ratio Lower Upper
43 100
72 24.8 17.9 26.9





#36
Benzene
Concen: 0.608 ppbv
RT: 6.915 min Scan# 11
Delta R.T. 0.042 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

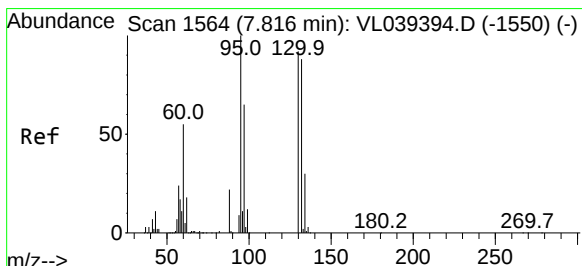
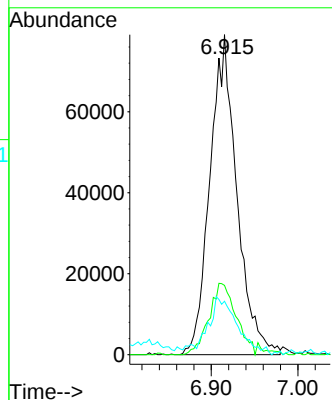
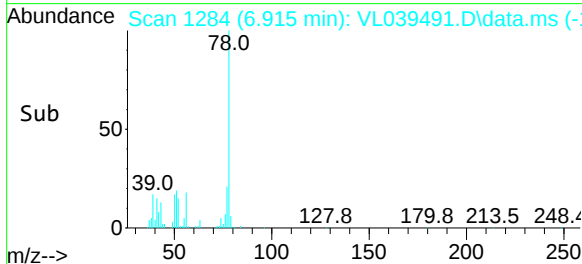
Instrument :
MSVOA_L
ClientSampleId :
SV-4



Tgt Ion: 78 Resp: 17057
Ion Ratio Lower Upper
78 100
77 21.7 20.3 30.5
50 15.6 15.5 23.3

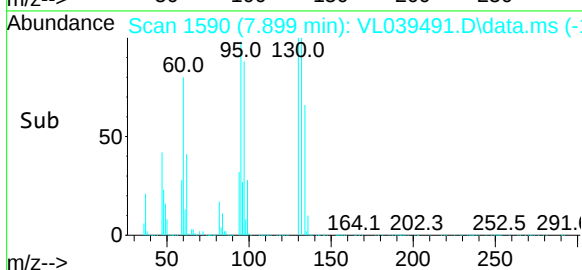
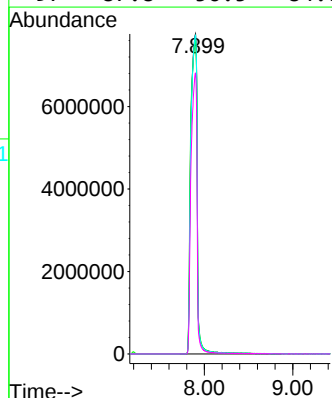
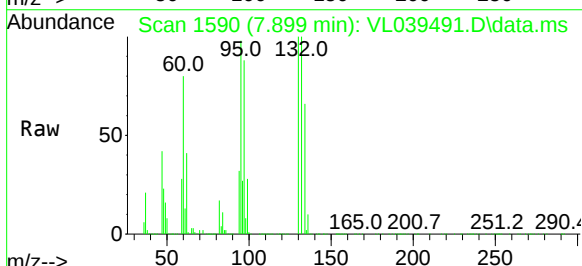
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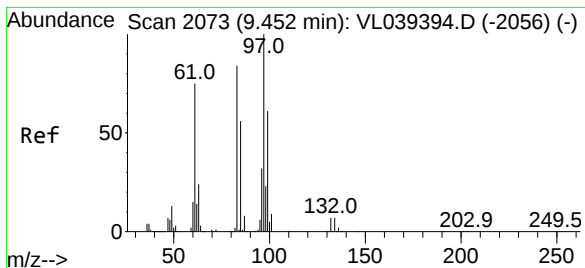
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#38
Trichloroethene
Concen: 258.635 ppbv m
RT: 7.899 min Scan# 1590
Delta R.T. 0.084 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

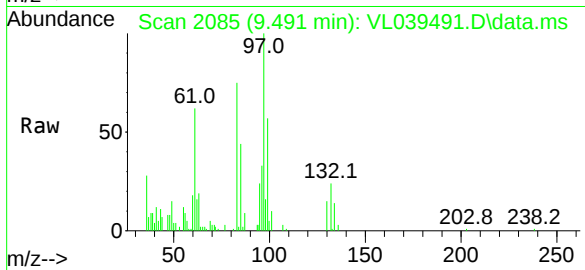
Tgt Ion:130 Resp:39261484
Ion Ratio Lower Upper
130 100
95 97.7 87.3 130.9
132 99.6 76.7 115.1
97 87.8 56.5 84.7#





#47
1,1,2-Trichloroethane
Concen: 0.256 ppbv m
RT: 9.491 min Scan# 2073
Delta R.T. 0.039 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

Instrument :
MSVOA_L
ClientSampleId :
SV-4

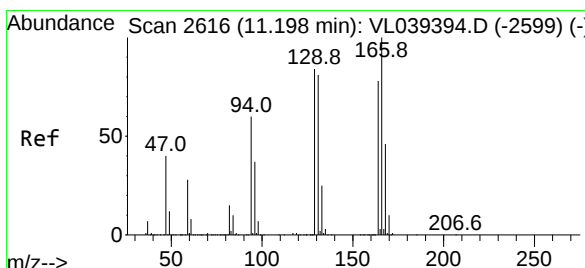
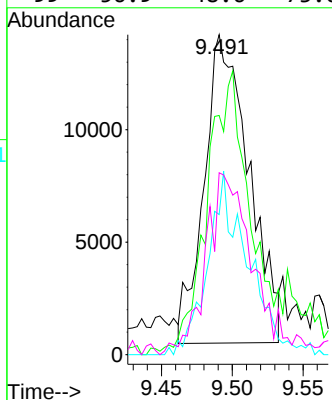
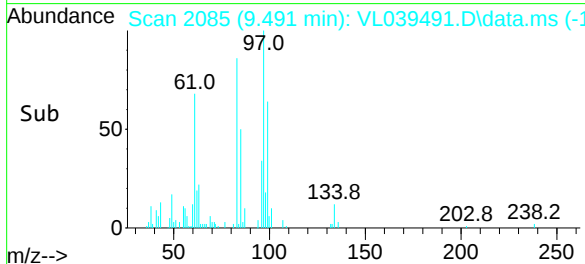


Tgt Ion: 97 Resp: 3015

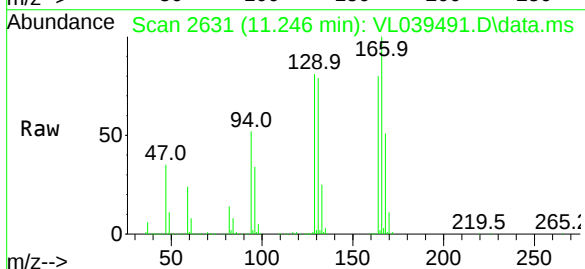
Ion	Ratio	Lower	Upper
97	100		
83	74.8	67.4	101.0
85	43.8	45.1	67.7
99	56.9	48.6	73.0

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Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

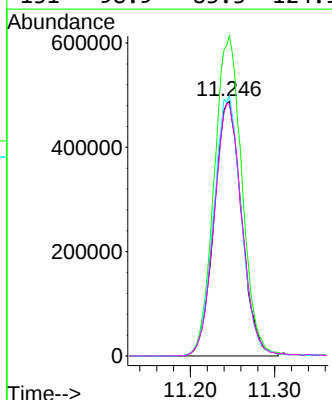
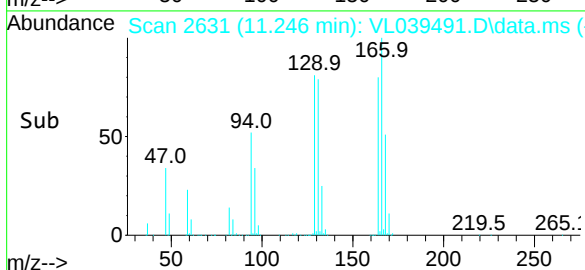


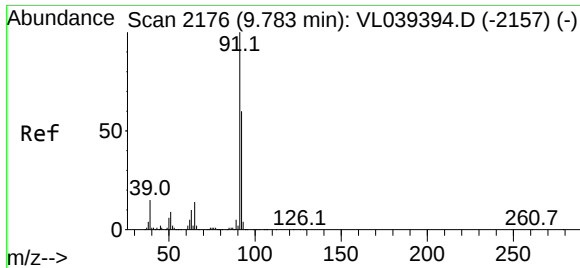
#52
Tetrachloroethene
Concen: 9.785 ppbv
RT: 11.246 min Scan# 2631
Delta R.T. 0.048 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15



Tgt Ion:164 Resp: 1105513

Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.2	153.2
129	102.1	85.8	128.8
131	98.9	83.3	124.9





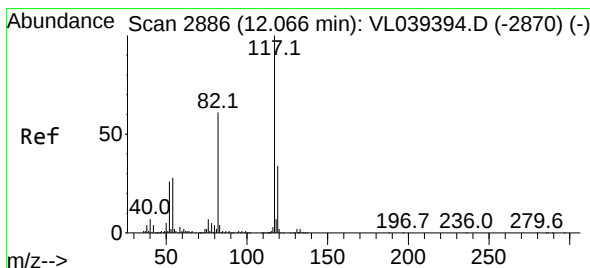
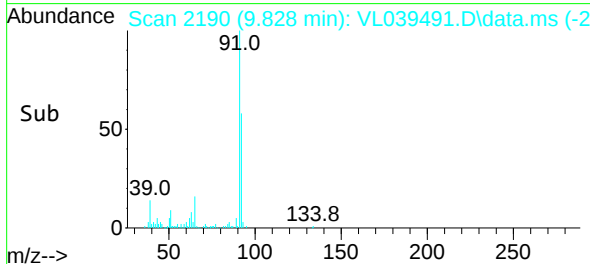
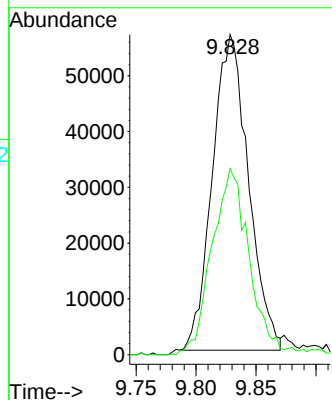
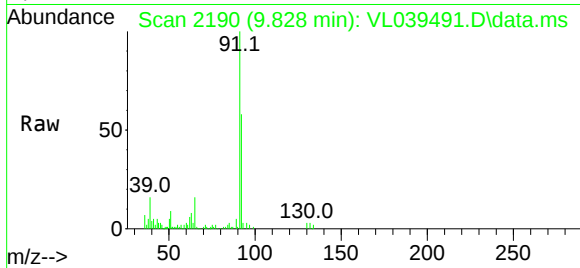
#53
Toluene
Concen: 0.365 ppbv
RT: 9.828 min Scan# 2176
Delta R.T. 0.045 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

Instrument :
MSVOA_L
ClientSampleId :
SV-4

Tgt Ion: 91 Resp: 11830
Ion Ratio Lower Upper
91 100
92 62.5 48.2 72.2

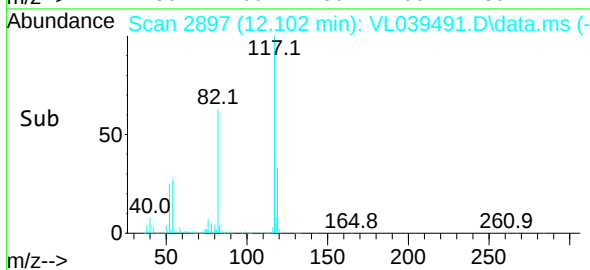
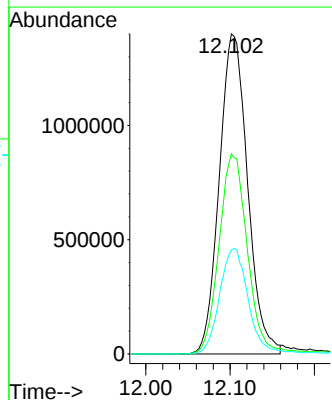
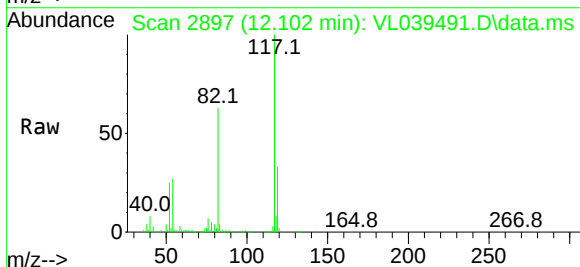
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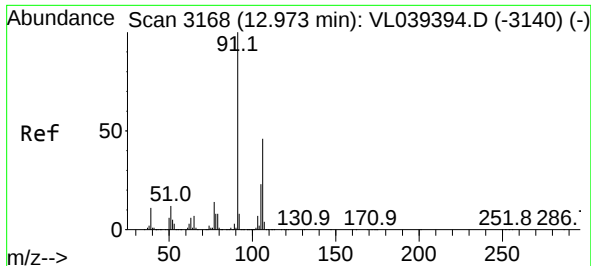
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.102 min Scan# 2897
Delta R.T. 0.035 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

Tgt Ion:117 Resp: 3263177
Ion Ratio Lower Upper
117 100
82 63.8 50.8 76.2
119 33.9 24.1 36.1





#59

m/p-Xylene

Concen: 0.191 ppbv m

RT: 12.989 min Scan# 3168

Delta R.T. 0.016 min

Lab File: VL039491.D

Acq: 19 Jul 2022 21:15

Instrument :

MSVOA_L

ClientSampleId :

SV-4

Tgt Ion: 91 Resp: 70849

Ion Ratio Lower Upper

91 100

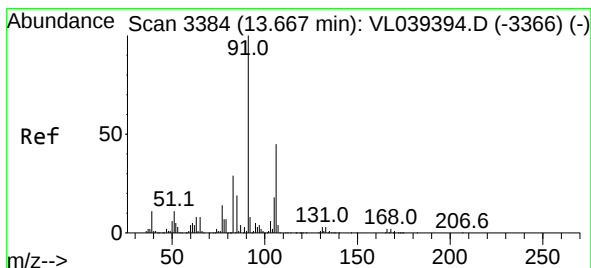
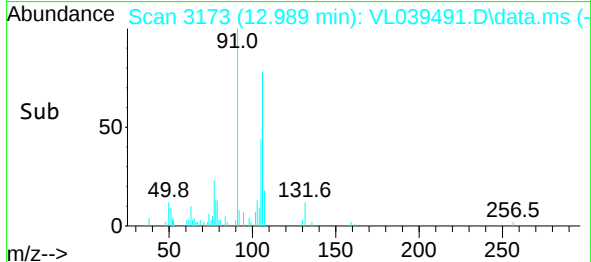
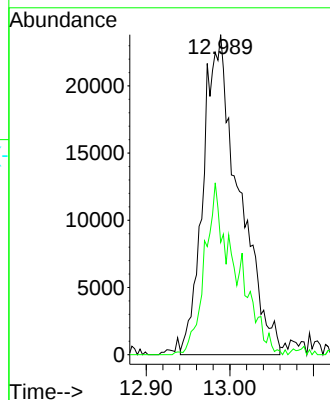
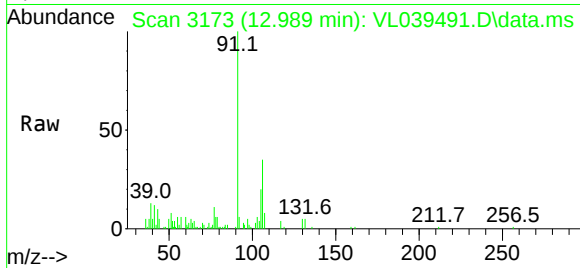
106 46.8 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#60

o-Xylene

Concen: 0.107 ppbv

RT: 13.706 min Scan# 3396

Delta R.T. 0.039 min

Lab File: VL039491.D

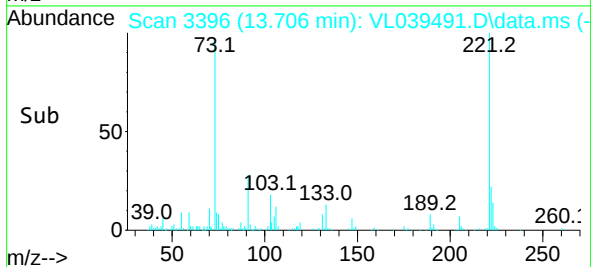
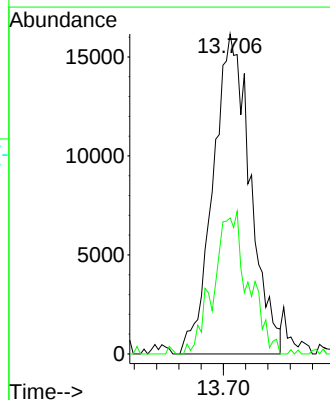
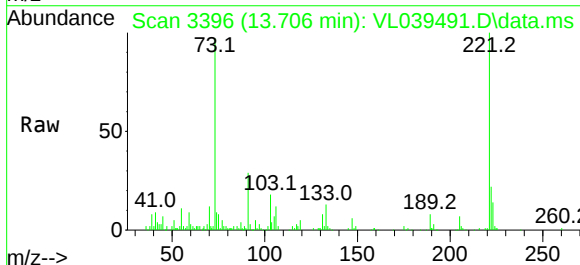
Acq: 19 Jul 2022 21:15

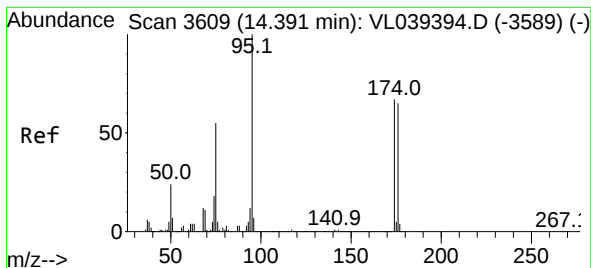
Tgt Ion: 91 Resp: 37519

Ion Ratio Lower Upper

91 100

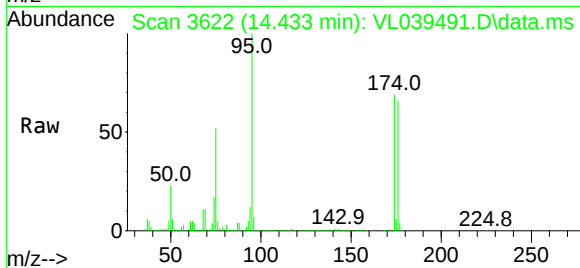
106 42.0 22.4 67.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.916 ppbv
RT: 14.433 min Scan# 3609
Delta R.T. 0.042 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15

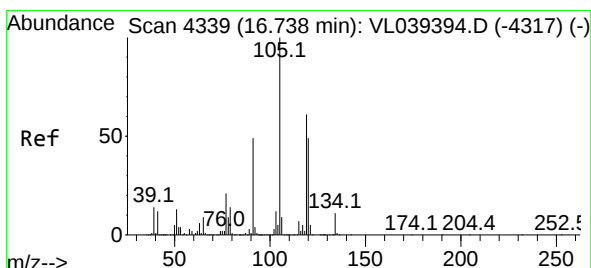
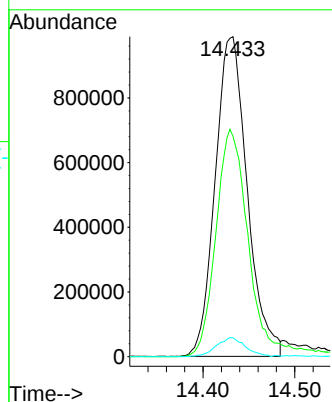
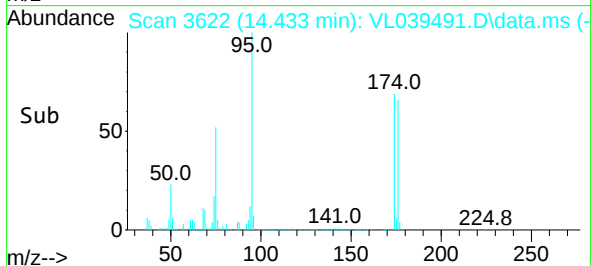
Instrument :
MSVOA_L
ClientSampleId :
SV-4



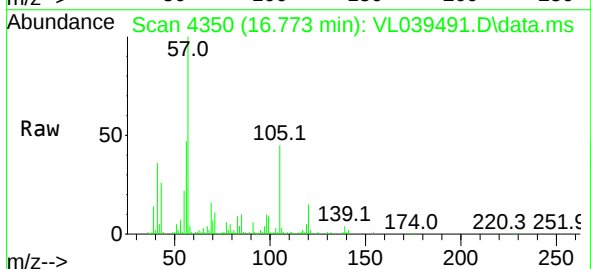
Tgt Ion: 95 Resp: 240040
Ion Ratio Lower Upper
95 100
174 75.2 55.9 83.9
175 5.9 4.2 6.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.237 ppbv m
RT: 16.773 min Scan# 4350
Delta R.T. 0.035 min
Lab File: VL039491.D
Acq: 19 Jul 2022 21:15



Tgt Ion:105 Resp: 99660
Ion Ratio Lower Upper
105 100
120 33.9 39.5 59.3#
91 12.7 39.2 58.8#
77 13.1 17.2 25.8#

