

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038450.D
 Acq On : 1 Mar 2022 14:21
 Operator : SY/AP
 Sample : N1702-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/02/2022
 Supervised By :Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 03:05:17 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.665	49	869156	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.169	114	2014612	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.076	117	1843561	10.000	ppbv	# 0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	1429141	9.369	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.700%
Target Compounds						
					Qvalue	
9) Propene	3.025	41	22978	0.453	ppbv	89
13) Ethanol	3.613	45	184788	36.539	ppbv	98
15) Acetone	3.854	43	836029	11.311	ppbv	97
17) tert-Butyl alcohol	4.298	59	99559	1.350	ppbv #	94
19) Isopropyl Alcohol	3.977	45	24170	0.565	ppbv #	1
20) Methylene Chloride	4.349	84	35259	0.963	ppbv	93
26) Hexane	5.684	57	64406	0.716	ppbv #	36
27) Carbon Disulfide	4.552	76	23172m	0.232	ppbv	
34) 2-Butanone	5.250	43	58907	0.930	ppbv #	87
36) Benzene	6.886	78	24421	0.138	ppbv #	85
38) Trichloroethene	7.828	130	6579m	0.102	ppbv	
50) 4-Methyl-2-Pentanone	8.758	43	36307m	0.324	ppbv	
52) Tetrachloroethene	11.217	164	105712	1.796	ppbv	95
53) Toluene	9.799	91	527023	2.737	ppbv	100
59) m/p-Xylene	12.954	91	35218m	0.163	ppbv	

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

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ClientSampleId :
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Manual Integrations
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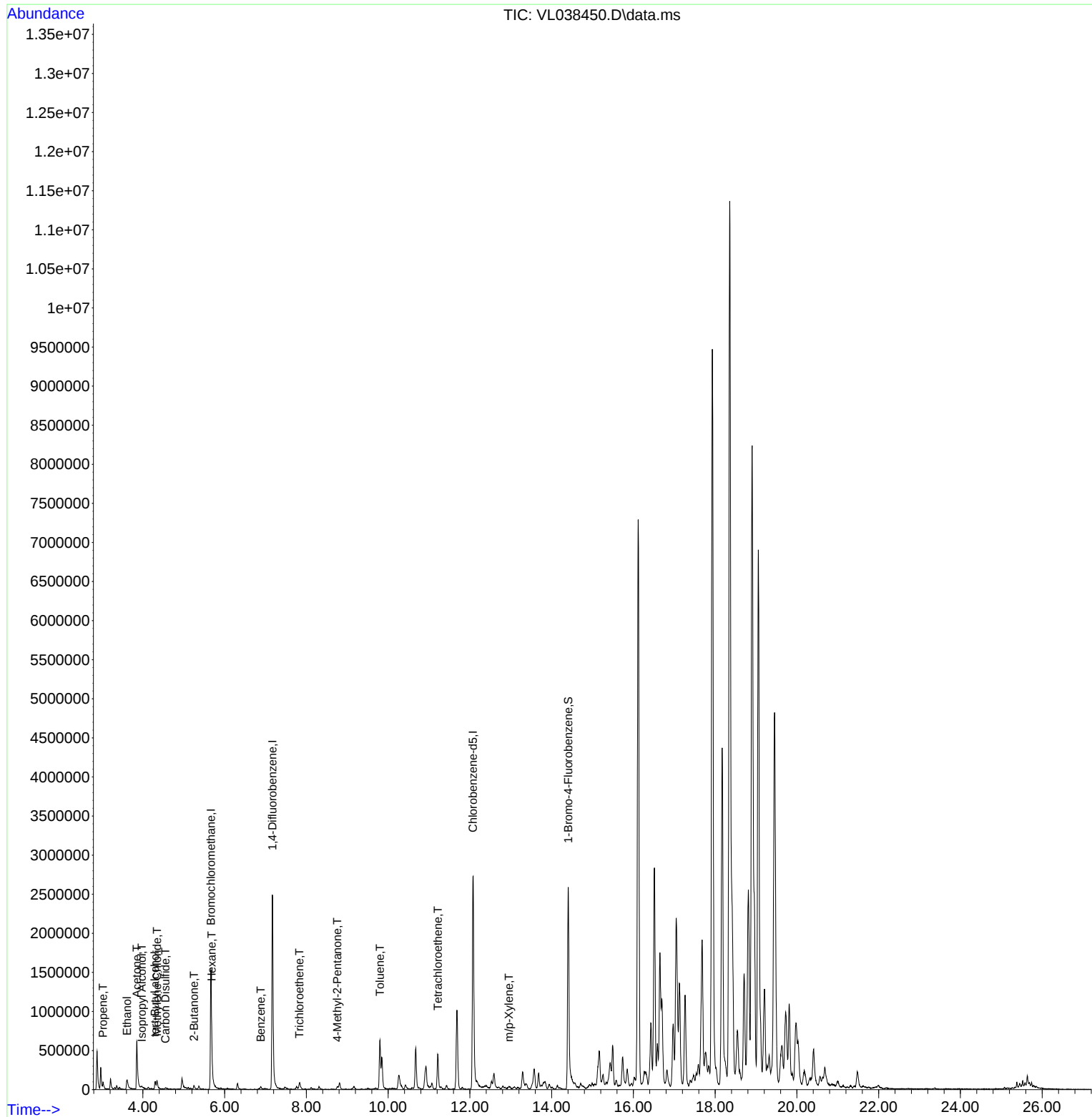
Quant Time: Mar 02 03:05:17 2022

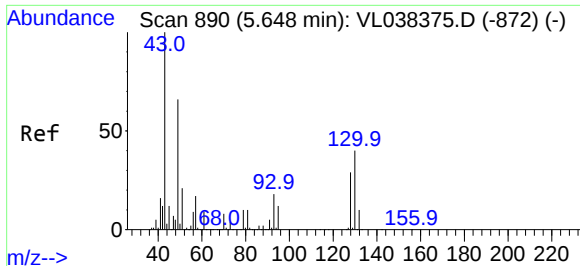
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb

QLast Update : Tue Feb 22 19:45:51 2022

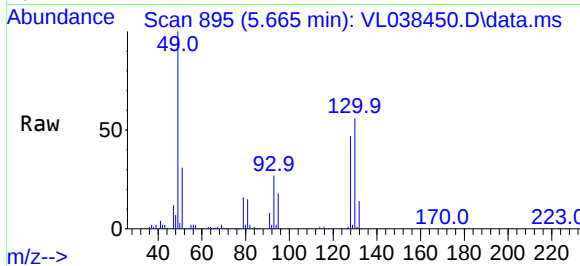
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.665 min Scan# 890
Delta R.T. 0.016 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

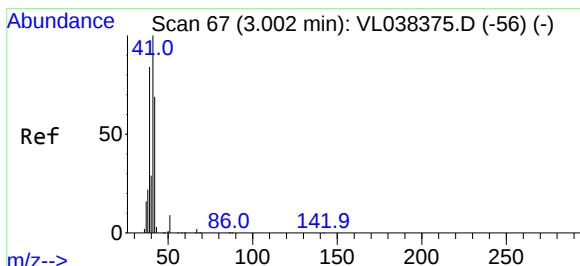
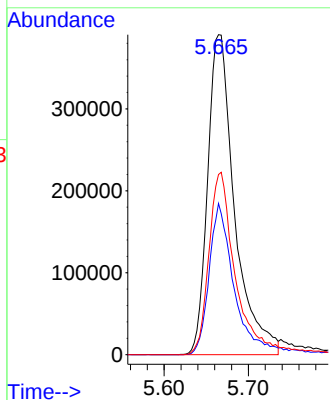
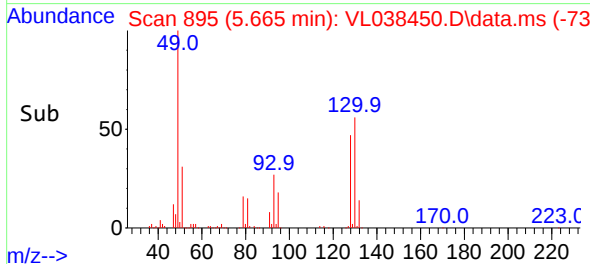
Instrument :
MSVOA_L
ClientSampleId :
SVP-2



Tgt Ion: 49 Resp: 869150
Ion Ratio Lower Upper
49 100
128 46.1 24.3 72.9
130 58.4 30.1 90.5

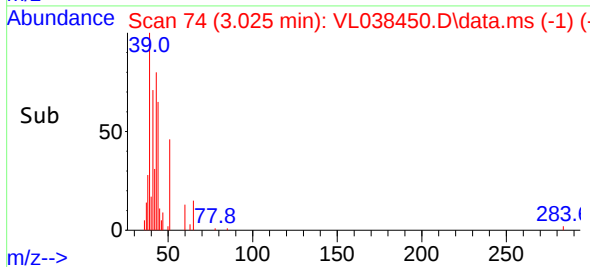
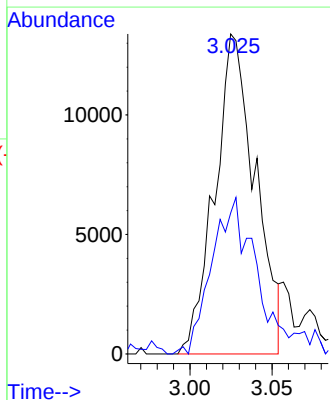
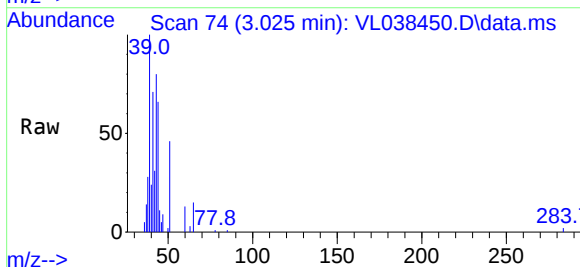
Manual Integrations
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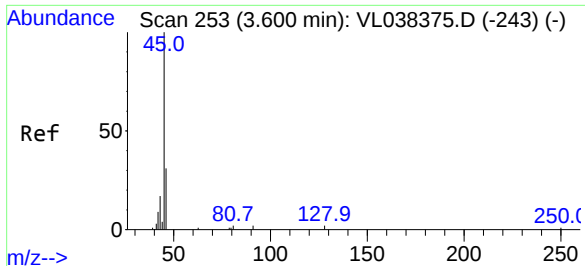
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#9
Propene
Concen: 0.453 ppbv
RT: 3.025 min Scan# 74
Delta R.T. 0.023 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

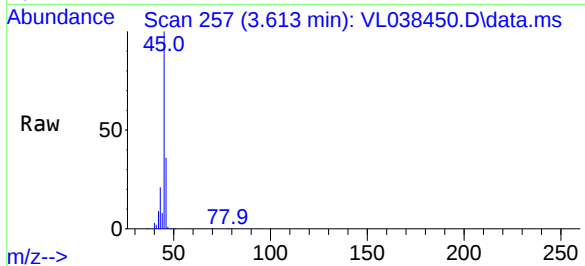
Tgt Ion: 41 Resp: 22978
Ion Ratio Lower Upper
41 100
42 59.4 54.6 82.0





#13
Ethanol
Concen: 36.539 ppbv
RT: 3.613 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

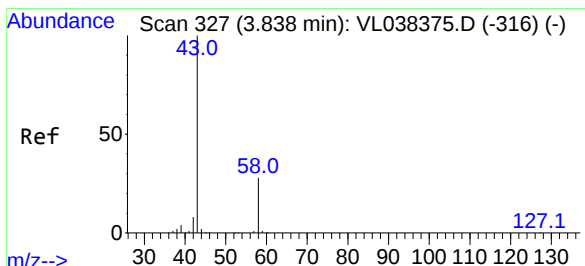
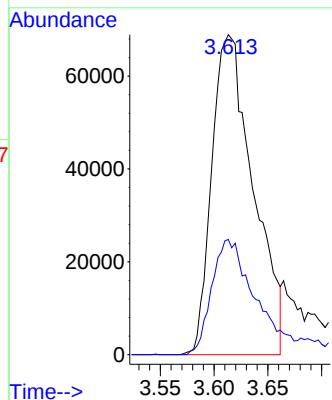
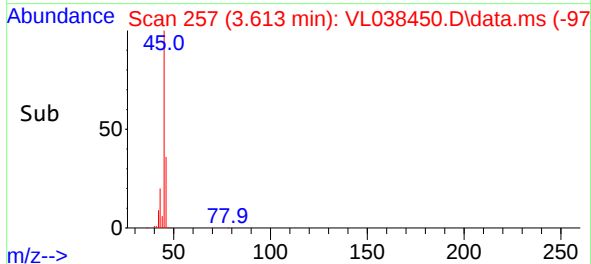
Instrument :
MSVOA_L
ClientSampleId :
SVP-2



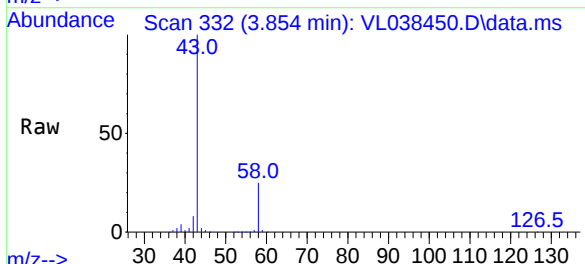
Tgt Ion: 45 Resp: 184788
Ion Ratio Lower Upper
45 100
46 44.4 18.2 72.8

Manual Integrations
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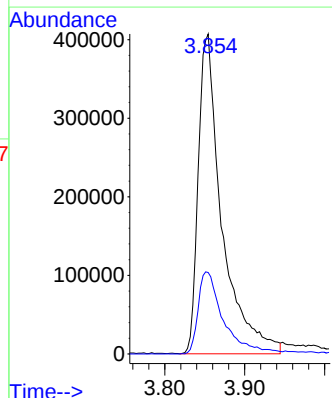
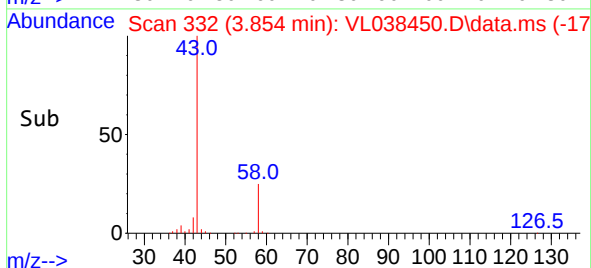
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

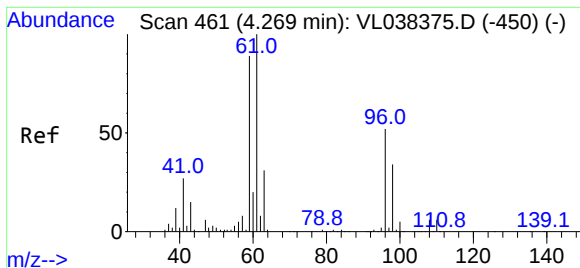


#15
Acetone
Concen: 11.311 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.016 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21



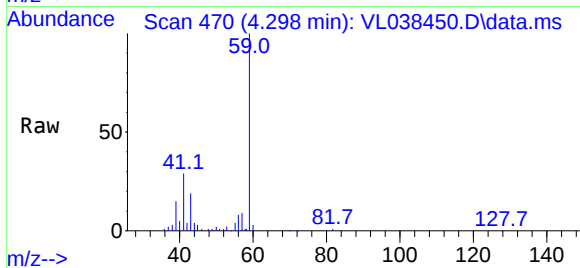
Tgt Ion: 43 Resp: 836029
Ion Ratio Lower Upper
43 100
58 28.7 21.7 32.5





#17
tert-Butyl alcohol
Concen: 1.350 ppbv
RT: 4.298 min Scan# 41
Delta R.T. 0.029 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

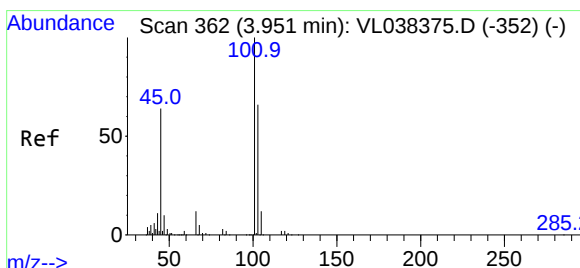
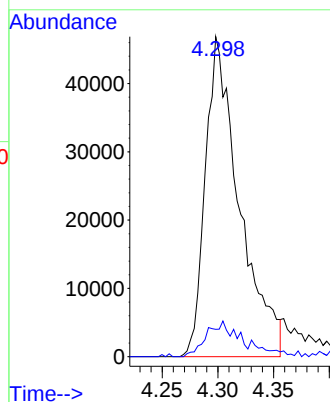
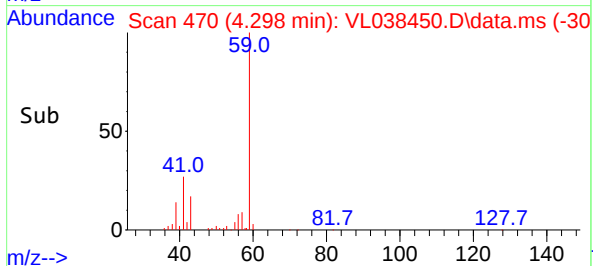
Instrument :
MSVOA_L
ClientSampleId :
SVP-2



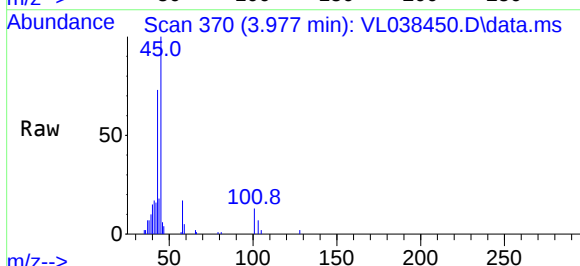
Tgt Ion: 59 Resp: 9955
Ion Ratio Lower Upper
59 100
57 12.8 8.4 12.6

Manual Integrations
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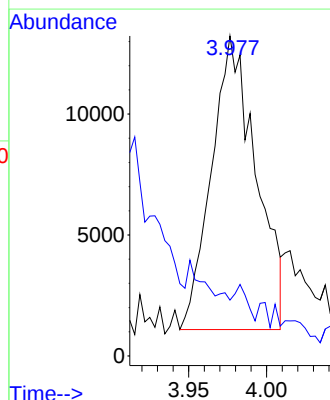
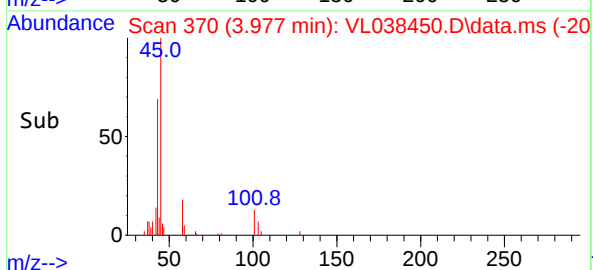
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

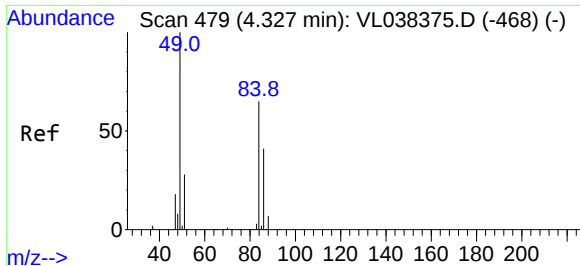


#19
Isopropyl Alcohol
Concen: 0.565 ppbv
RT: 3.977 min Scan# 370
Delta R.T. 0.026 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21



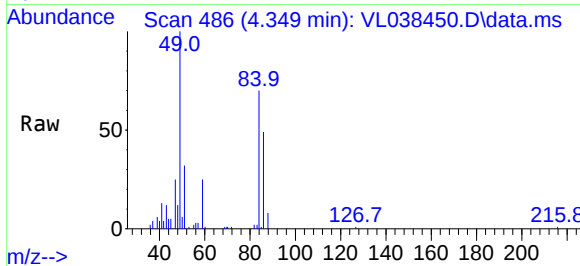
Tgt Ion: 45 Resp: 24170
Ion Ratio Lower Upper
45 100
58 993.2 1.8 2.8





#20
Methylene Chloride
Concen: 0.963 ppbv
RT: 4.349 min Scan# 41
Delta R.T. 0.023 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

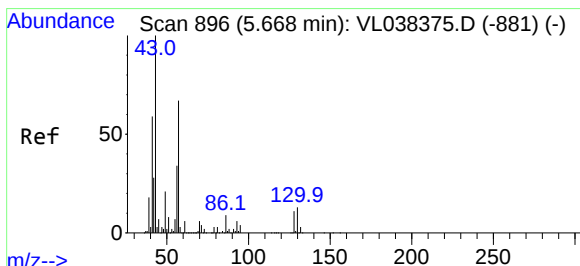
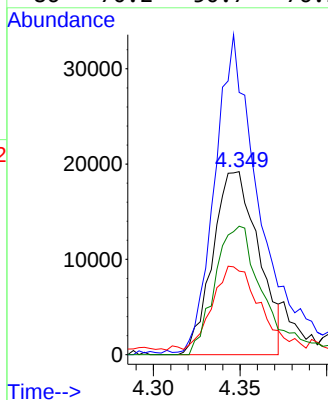
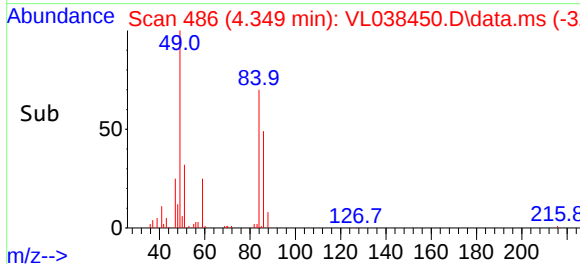
Instrument :
MSVOA_L
ClientSampleId :
SVP-2



Tgt Ion: 84 Resp: 35259
Ion Ratio Lower Upper
84 100
49 141.9 122.4 183.6
51 41.4 33.3 49.9
86 70.2 50.7 76.1

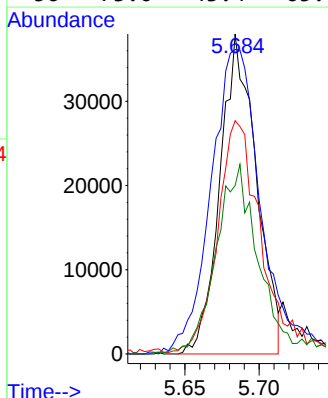
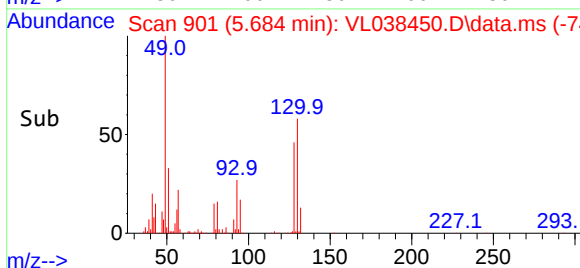
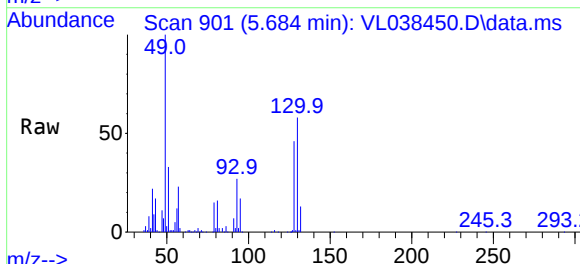
Manual Integrations
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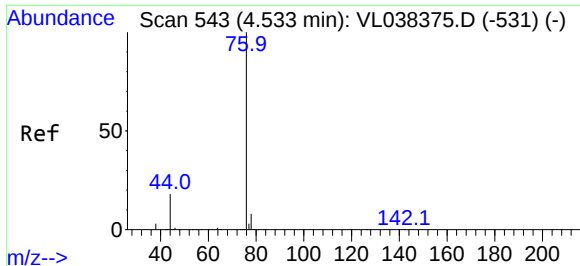
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#26
Hexane
Concen: 0.716 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.016 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

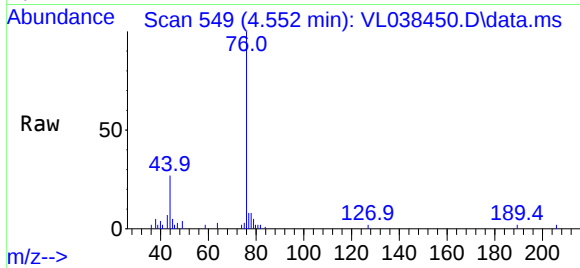
Tgt Ion: 57 Resp: 64406
Ion Ratio Lower Upper
57 100
41 136.4 73.1 109.7#
43 94.5 181.0 271.4#
56 73.0 43.4 65.0#





#27
Carbon Disulfide
Concen: 0.232 ppbv m
RT: 4.552 min Scan# 543
Delta R.T. 0.019 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

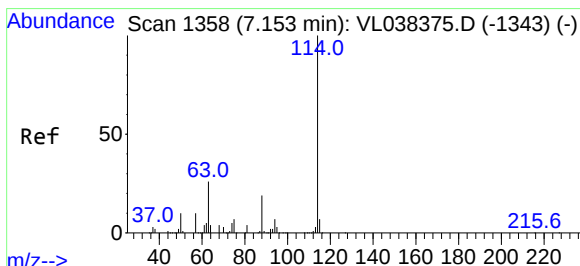
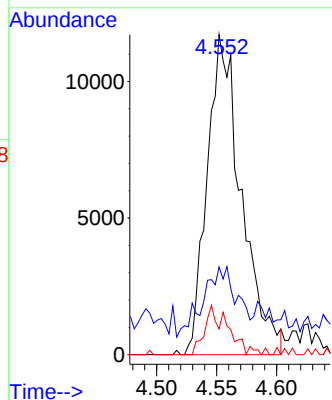
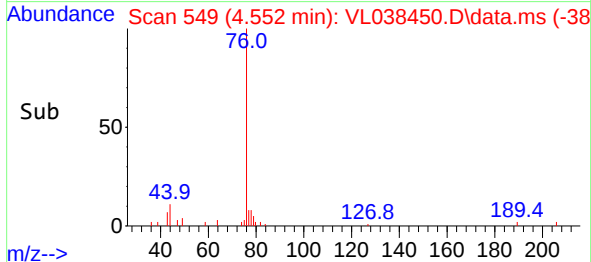
Instrument :
MSVOA_L
ClientSampleId :
SVP-2



Tgt Ion: 76 Resp: 23172
Ion Ratio Lower Upper
76 100
44 0.0 14.2 21.2
78 0.0 7.8 11.6

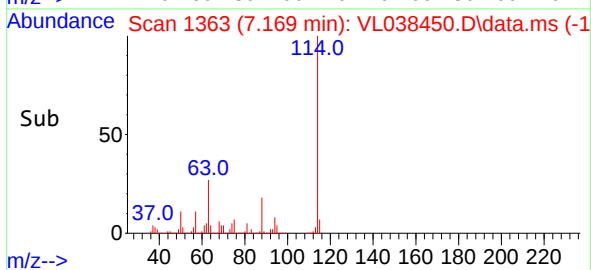
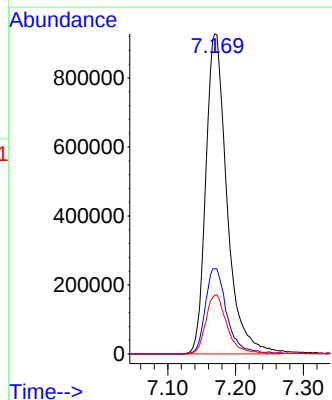
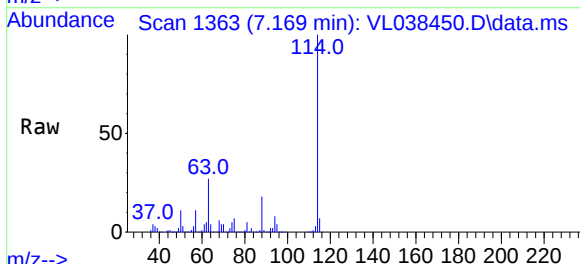
Manual Integrations
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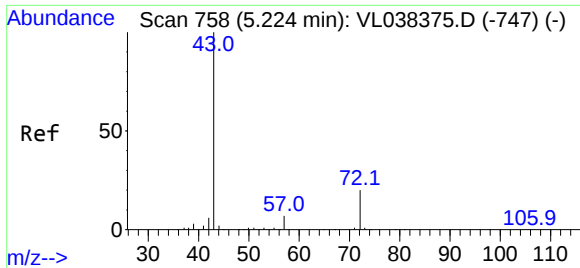
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. 0.016 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

Tgt Ion:114 Resp: 2014612
Ion Ratio Lower Upper
114 100
63 27.3 22.2 33.2
88 18.7 15.2 22.8





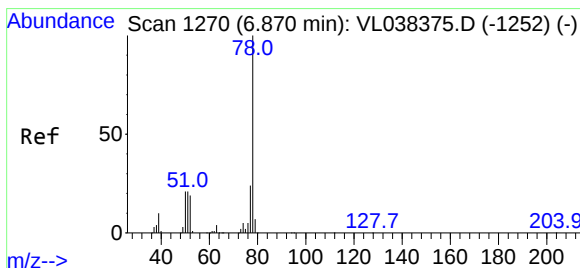
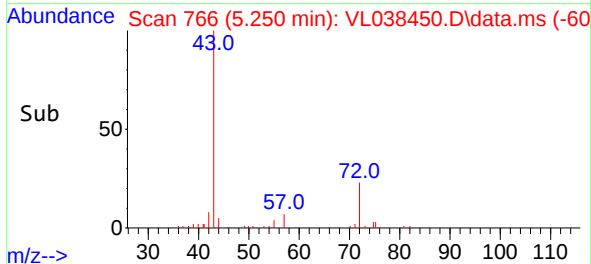
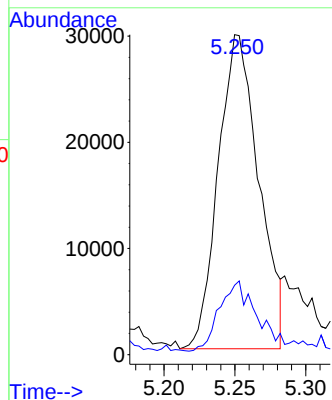
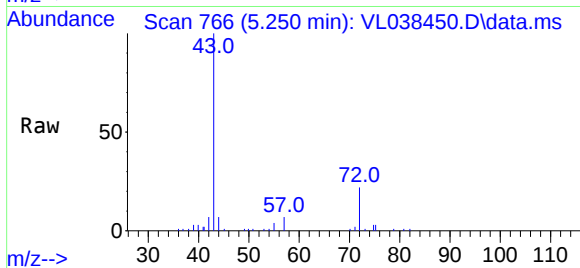
#34
2-Butanone
Concen: 0.930 ppbv
RT: 5.250 min Scan# 71
Delta R.T. 0.026 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

Instrument :
MSVOA_L
ClientSampleId :
SVP-2

Tgt Ion: 43 Resp: 5890
Ion Ratio Lower Upper
43 100
72 28.0 17.4 26.2

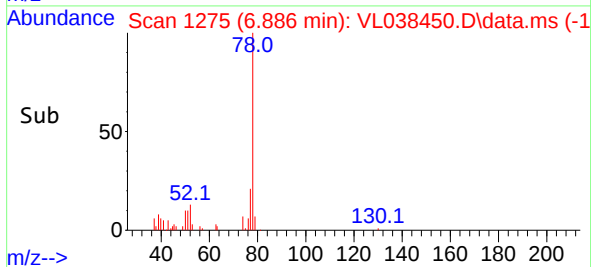
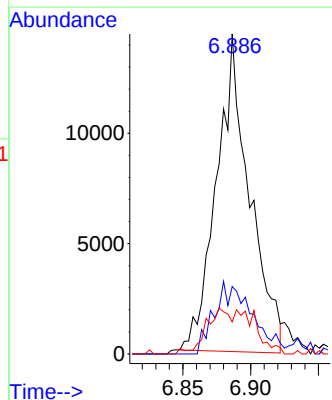
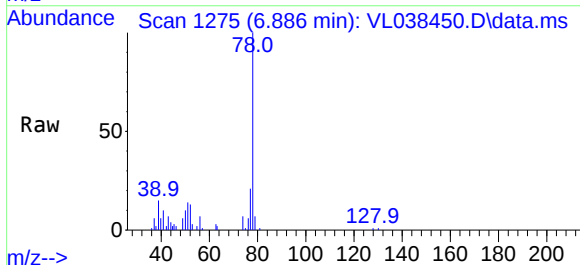
Manual Integrations
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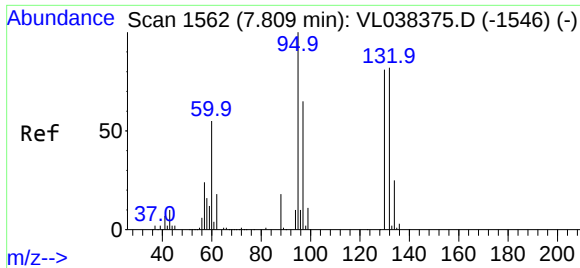
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#36
Benzene
Concen: 0.138 ppbv
RT: 6.886 min Scan# 1275
Delta R.T. 0.016 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

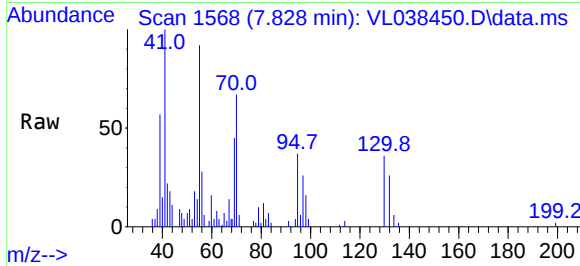
Tgt Ion: 78 Resp: 24421
Ion Ratio Lower Upper
78 100
77 21.3 19.0 28.6
50 8.1 16.6 24.8





#38
Trichloroethene
Concen: 0.102 ppbv m
RT: 7.828 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

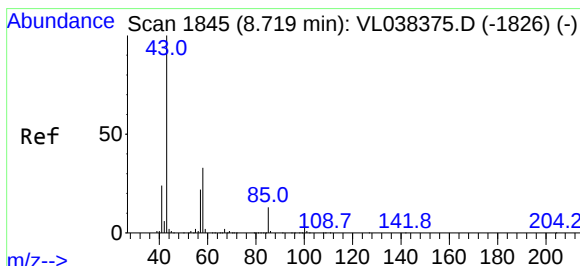
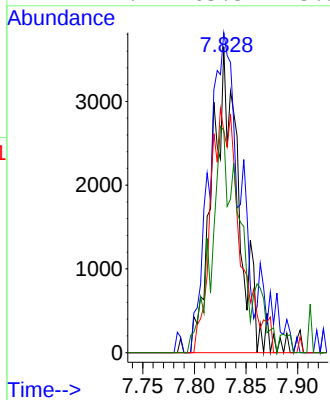
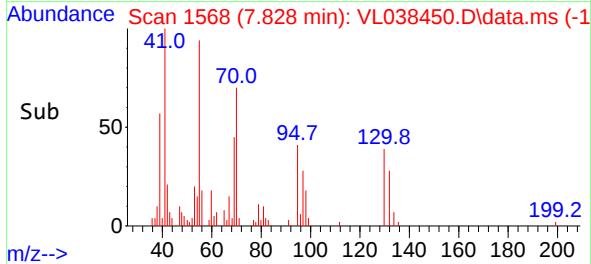
Instrument :
MSVOA_L
ClientSampleId :
SVP-2



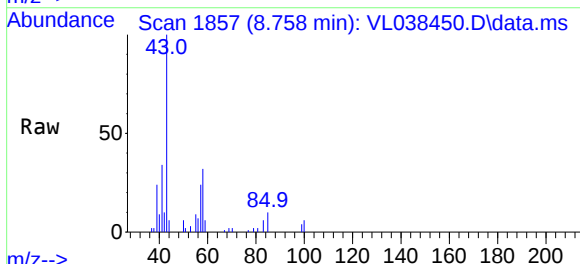
Tgt Ion:130 Resp: 6579
Ion Ratio Lower Upper
130 100
95 104.6 98.1 147.1
132 72.4 80.3 120.5
97 72.7 63.5 95.3

Manual Integrations
APPROVED

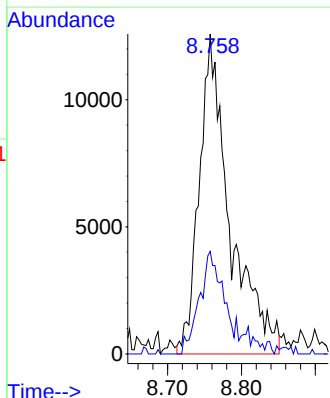
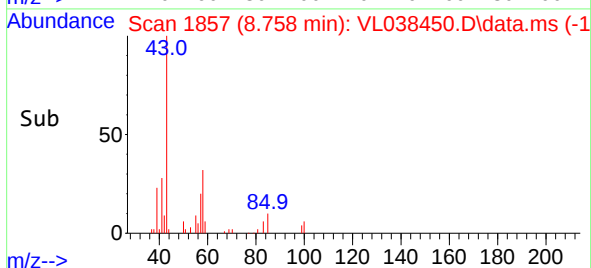
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

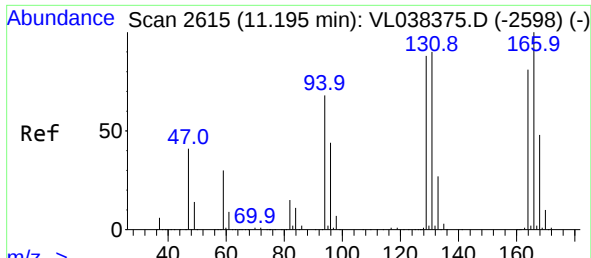


#50
4-Methyl-2-Pentanone
Concen: 0.324 ppbv m
RT: 8.758 min Scan# 1857
Delta R.T. 0.039 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21



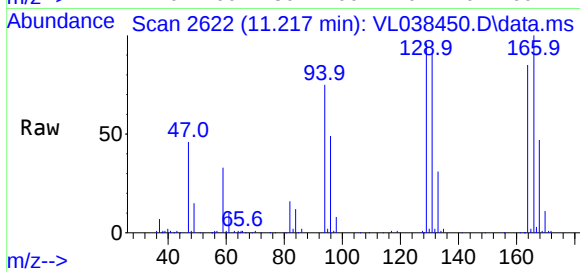
Tgt Ion: 43 Resp: 36307
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5#





#52
Tetrachloroethene
Concen: 1.796 ppbv
RT: 11.217 min Scan# 2181
Delta R.T. 0.023 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

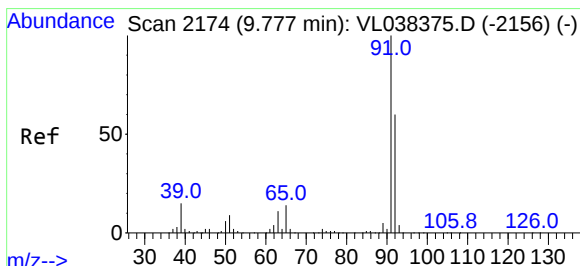
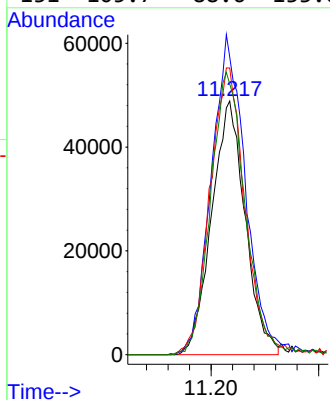
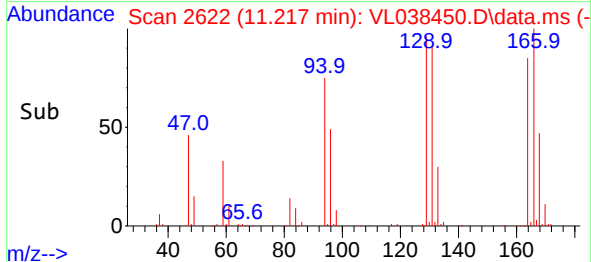
Instrument :
MSVOA_L
ClientSampleId :
SVP-2



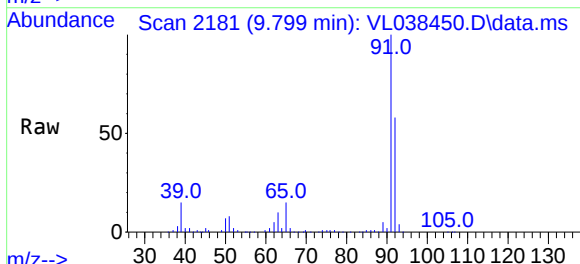
Tgt Ion:164 Resp: 10571
Ion Ratio Lower Upper
164 100
166 116.3 98.6 148.0
129 112.0 86.9 130.3
131 105.7 88.6 133.0

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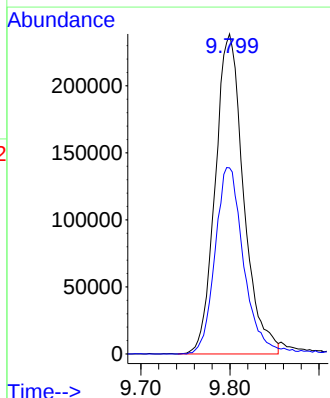
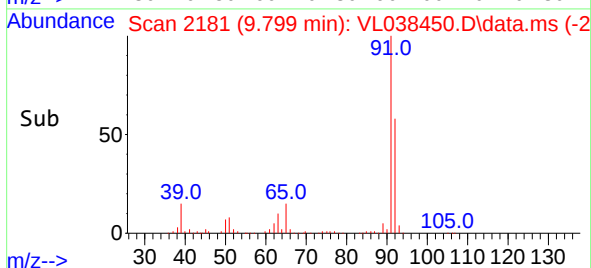
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

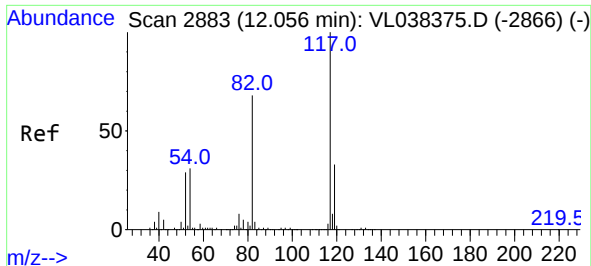


#53
Toluene
Concen: 2.737 ppbv
RT: 9.799 min Scan# 2181
Delta R.T. 0.023 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21



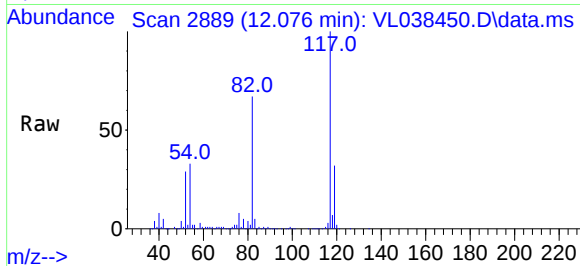
Tgt Ion: 91 Resp: 527023
Ion Ratio Lower Upper
91 100
92 60.4 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

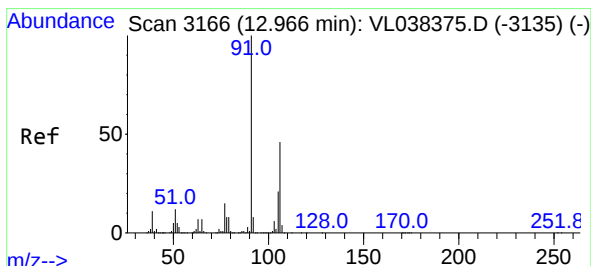
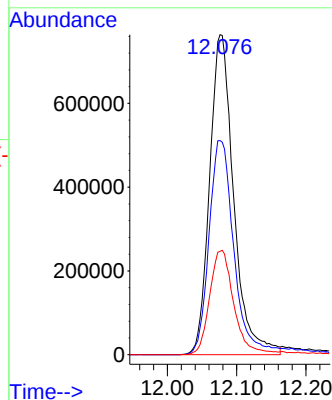
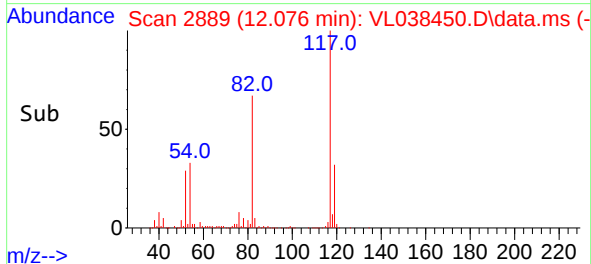
Instrument :
MSVOA_L
ClientSampleId :
SVP-2



Tgt Ion: 117 Resp: 184356
Ion Ratio Lower Upper
117 100
82 72.7 54.9 82.3
119 33.5 46.1 69.1

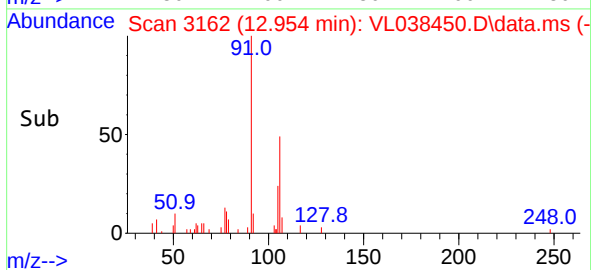
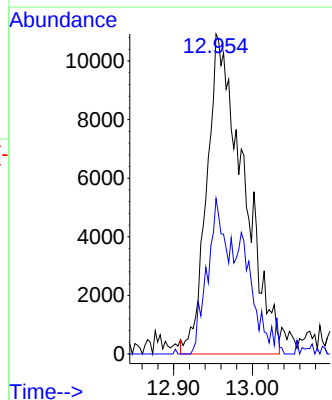
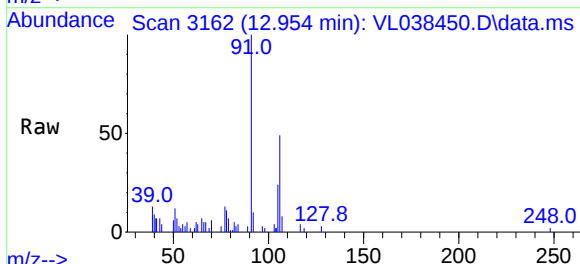
Manual Integrations
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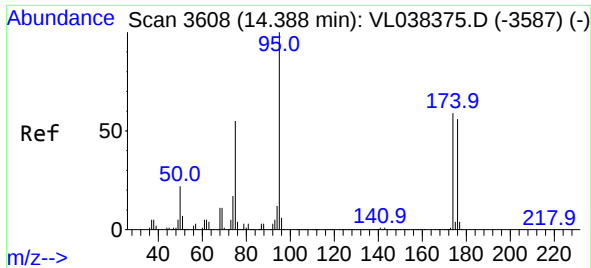
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#59
m/p-Xylene
Concen: 0.163 ppbv m
RT: 12.954 min Scan# 3162
Delta R.T. -0.013 min
Lab File: VL038450.D
Acq: 1 Mar 2022 14:21

Tgt Ion: 91 Resp: 35218
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.369 ppbv
 RT: 14.407 min Scan# 30
 Delta R.T. 0.019 min
 Lab File: VL038450.D
 Acq: 1 Mar 2022 14:21

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-2

Tgt Ion: 95 Resp: 142914
 Ion Ratio Lower Upper
 95 100
 174 63.2 49.0 73.4
 175 4.5 3.6 5.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/02/2022
 Supervised By :Mahesh Dadoda 03/02/2022

