

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040470.D
 Acq On : 15 Jun 2023 16:52
 Operator : SY/MD
 Sample : 03250-01DUP 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02DUP

Quant Time: Jun 16 05:37:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/16/2023
 Supervised By : Mahesh Dadoda 06/16/2023

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

Internal Standards						
1) Bromochloromethane	5.198	49	1194449	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3148874	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2843153	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2277568	9.706	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	170503	0.656	ppbv	98
4) Chloromethane	2.806	50	21274	0.281	ppbv	88
9) Propene	2.690	41	2012543	33.360	ppbv	95
10) Heptane	7.590	43	109984	0.805	ppbv	100
13) Ethanol	3.237	45	129103	10.334	ppbv	97
15) Acetone	3.465	43	2309072	16.028	ppbv #	32
17) tert-Butyl alcohol	3.880	59	880280	7.433	ppbv	100
20) Methylene Chloride	3.934	84	346827	5.641	ppbv	98
26) Hexane	5.221	57	634619	5.134	ppbv #	43
27) Carbon Disulfide	4.127	76	23622	0.153	ppbv #	90
34) 2-Butanone	4.787	43	5125931	33.758	ppbv	96
36) Benzene	6.378	78	192345	0.768	ppbv	97
44) 2,2,4-Trimethylpentane	7.340	57	200945	0.491	ppbv #	84
51) 2-Hexanone	9.565	43	1013176	7.176	ppbv #	93
52) Tetrachloroethene	10.632	164	47698	0.607	ppbv	97
53) Toluene	9.237	91	274910	1.042	ppbv	99
58) Ethyl Benzene	12.111	91	120022m	0.348	ppbv	
59) m/p-Xylene	12.362	91	328087	1.036	ppbv	94
60) o-Xylene	13.079	91	186713	0.622	ppbv	98
72) 4-Ethyltoluene	15.211	105	71285m	0.211	ppbv	
73) 1,3,5-Trimethylbenzene	15.368	105	85179	0.285	ppbv	95
74) 1,2,4-Trimethylbenzene	16.127	105	333338	0.948	ppbv #	70

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

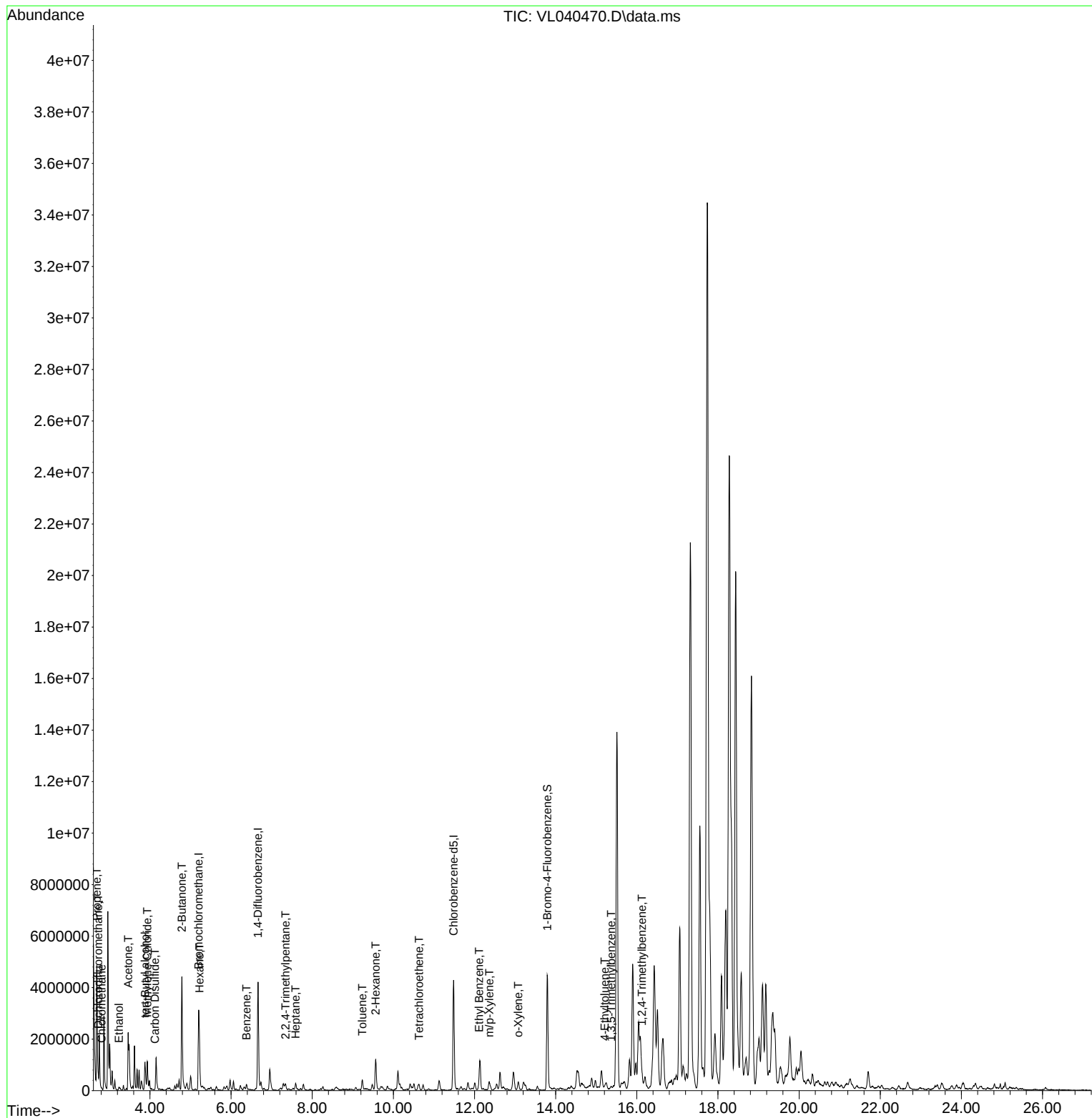
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
Data File : VL040470.D
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Sample : 03250-01DUP 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

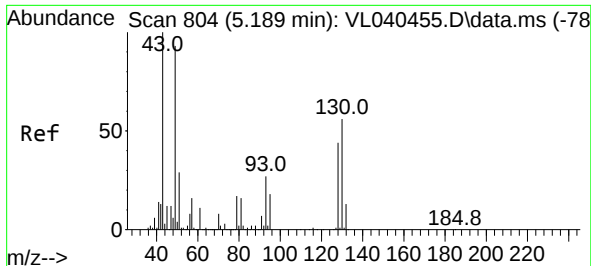
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

Quant Time: Jun 16 05:37:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration

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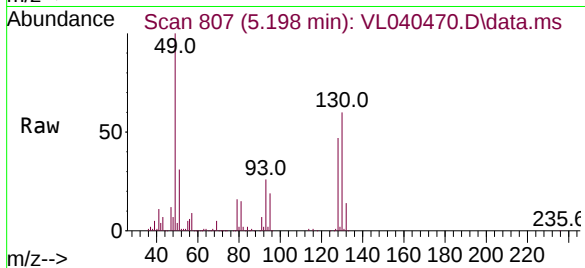
Reviewed By : Semsettin Yesilyurt 06/16/2023
Supervised By : Mahesh Dadoda 06/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

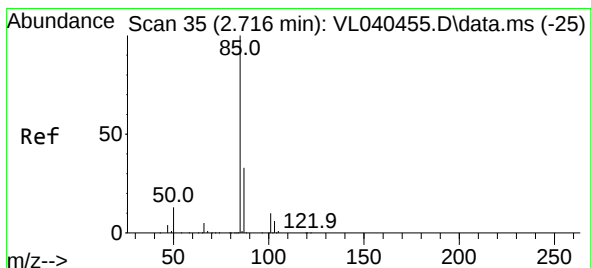
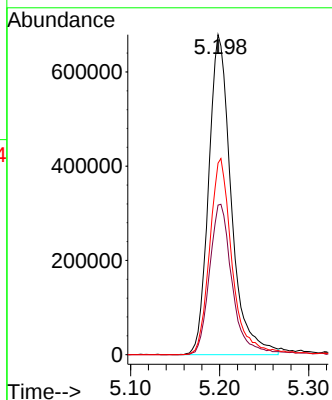
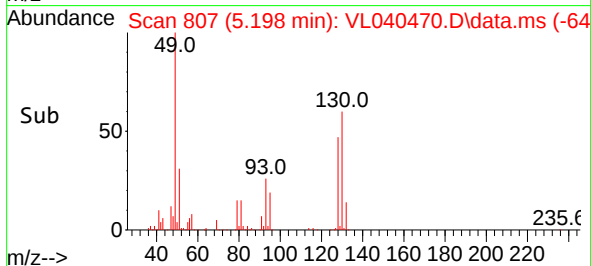
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP



Tgt Ion: 49 Resp: 1194449
Ion Ratio Lower Upper
49 100
128 48.3 24.7 74.1
130 62.0 31.4 94.2

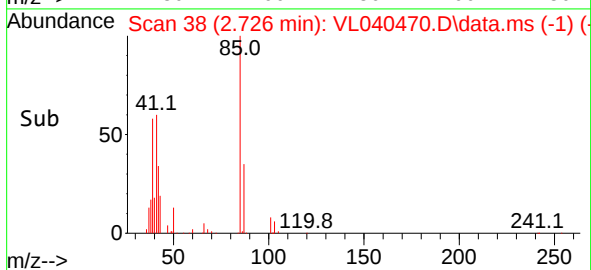
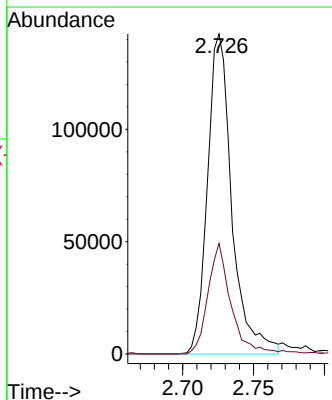
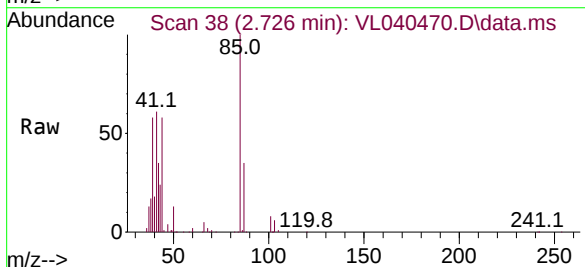
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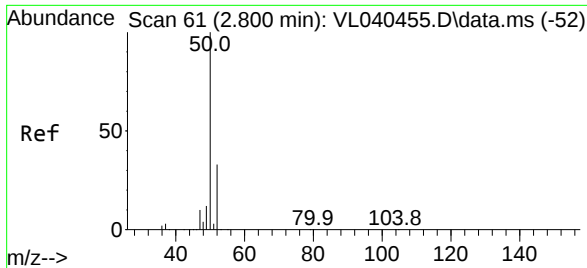
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#2
Dichlorodifluoromethane
Concen: 0.656 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 85 Resp: 170503
Ion Ratio Lower Upper
85 100
87 34.6 26.6 39.8





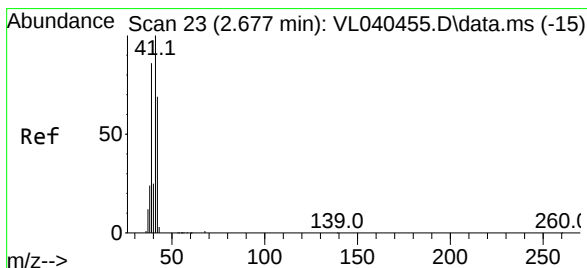
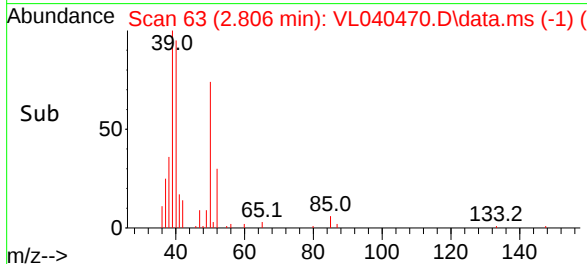
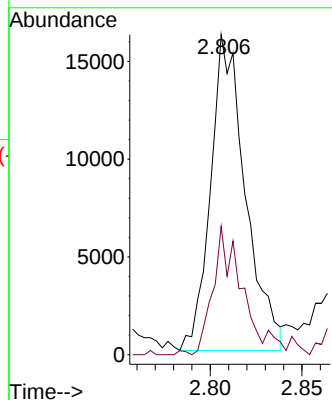
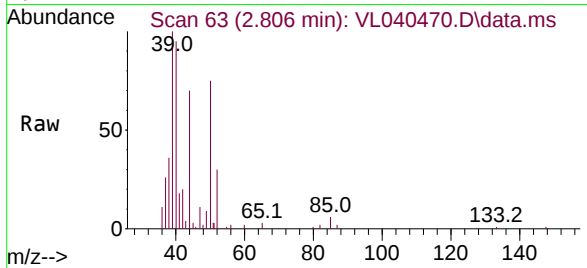
#4
Chloromethane
Concen: 0.281 ppbv
RT: 2.806 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 50 Resp: 21274
Ion Ratio Lower Upper
50 100
52 39.4 26.3 39.5

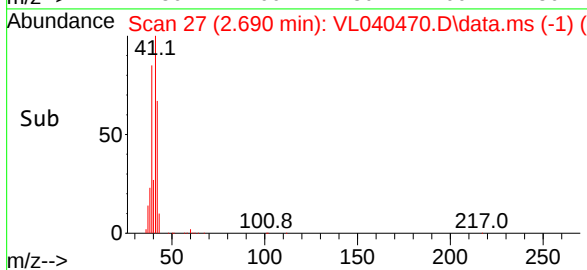
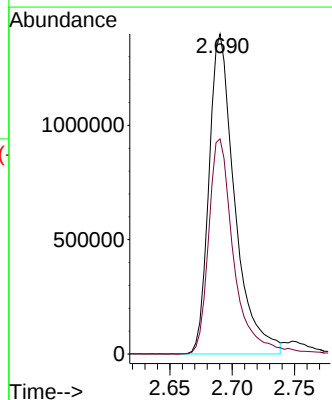
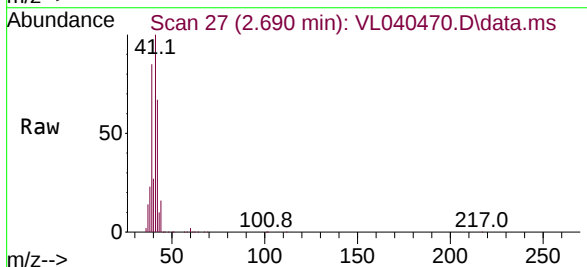
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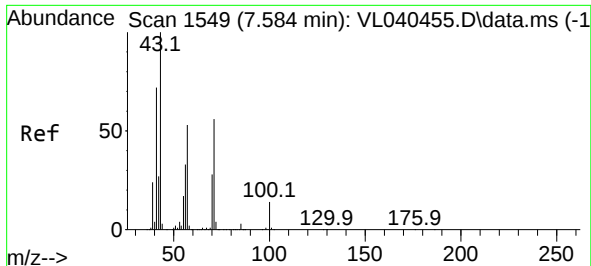
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#9
Propene
Concen: 33.360 ppbv
RT: 2.690 min Scan# 27
Delta R.T. 0.013 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

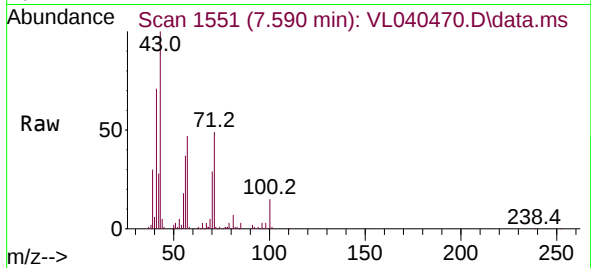
Tgt Ion: 41 Resp: 2012543
Ion Ratio Lower Upper
41 100
42 66.2 56.2 84.2





#10
Heptane
Concen: 0.805 ppbv
RT: 7.590 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

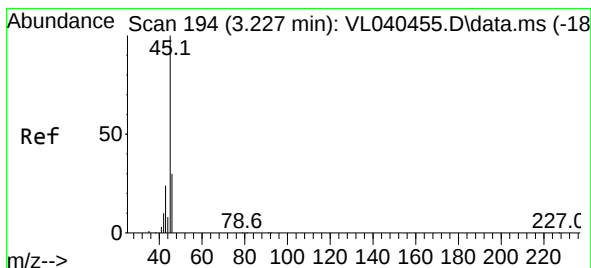
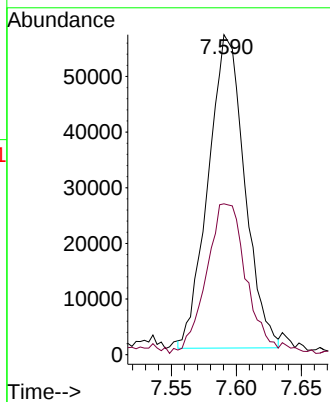
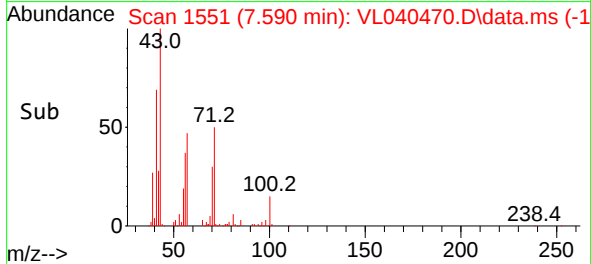
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP



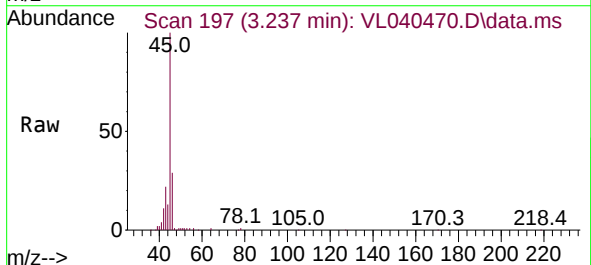
Tgt Ion: 43 Resp: 109984
Ion Ratio Lower Upper
43 100
57 53.4 42.5 63.7

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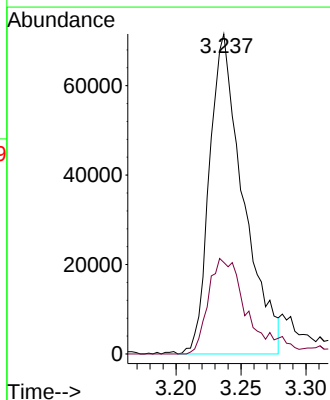
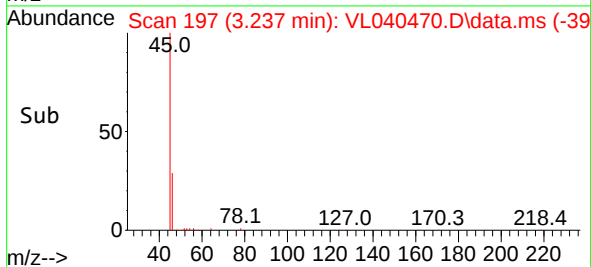
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

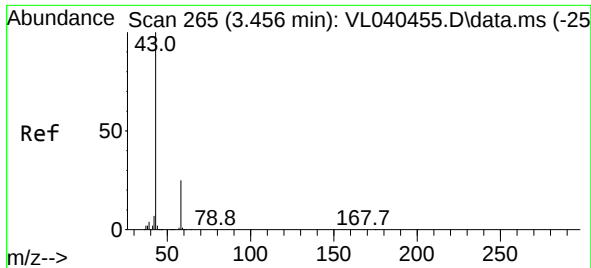


#13
Ethanol
Concen: 10.334 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52



Tgt Ion: 45 Resp: 129103
Ion Ratio Lower Upper
45 100
46 38.1 14.5 58.1





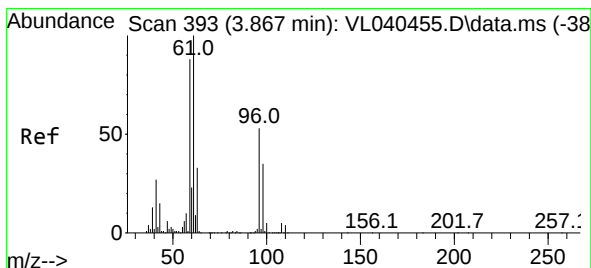
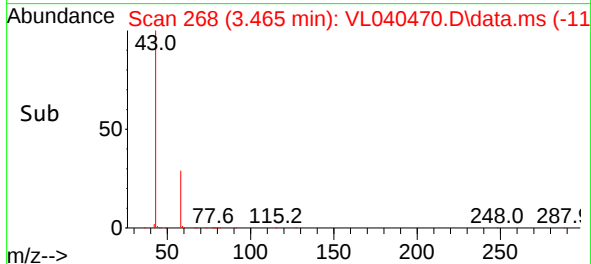
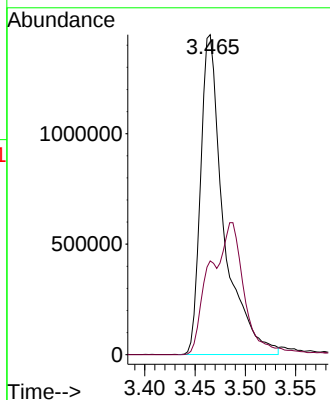
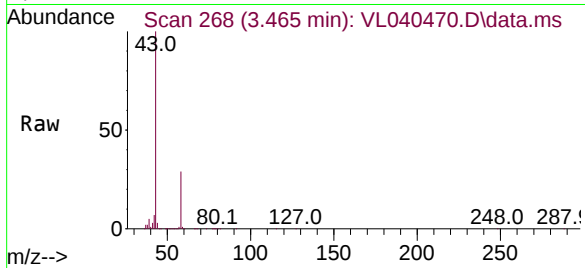
#15
Acetone
Concen: 16.028 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

Tgt Ion: 43 Resp: 2309072
Ion Ratio Lower Upper
43 100
58 62.3 21.6 32.4

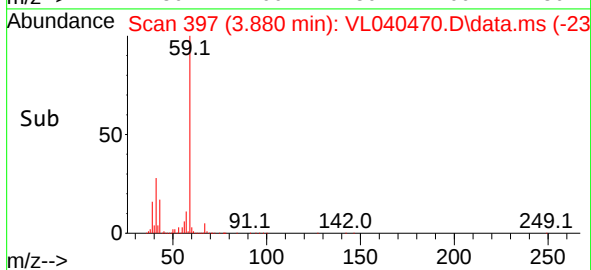
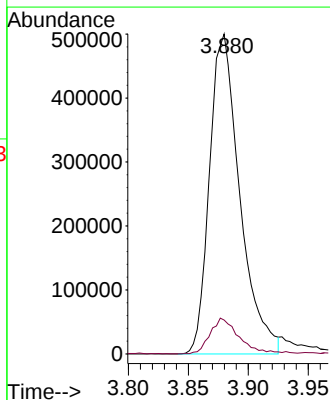
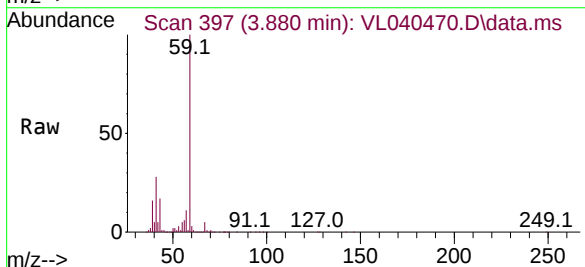
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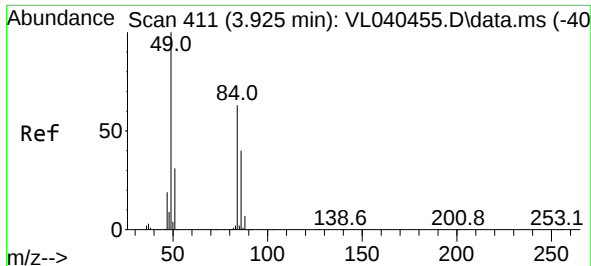
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#17
tert-Butyl alcohol
Concen: 7.433 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.013 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

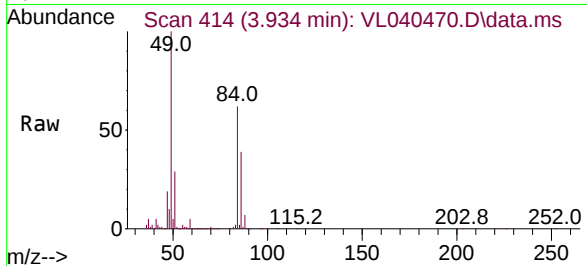
Tgt Ion: 59 Resp: 880280
Ion Ratio Lower Upper
59 100
57 10.9 8.8 13.2





#20
Methylene Chloride
Concen: 5.641 ppbv
RT: 3.934 min Scan# 411
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

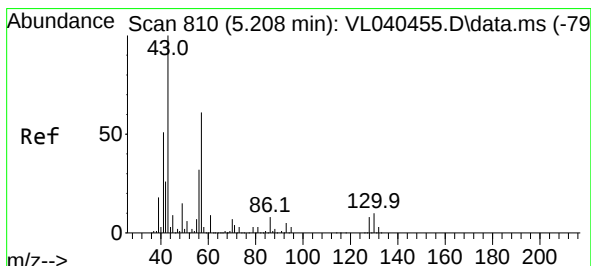
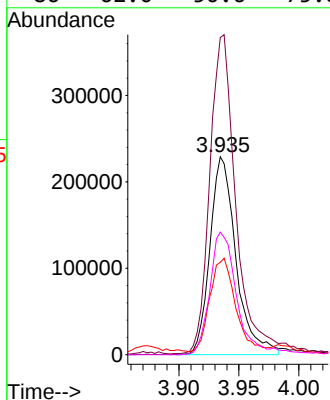
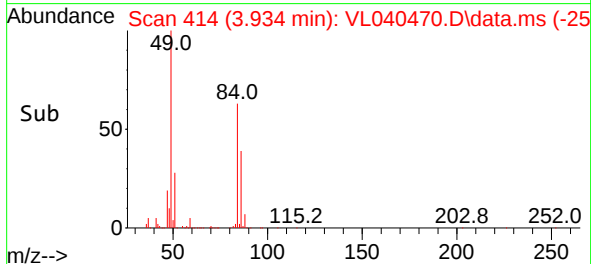
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP



Tgt Ion: 84 Resp: 34682
Ion Ratio Lower Upper
84 100
49 159.6 126.2 189.2
51 44.2 38.7 58.1
86 62.0 50.6 75.8

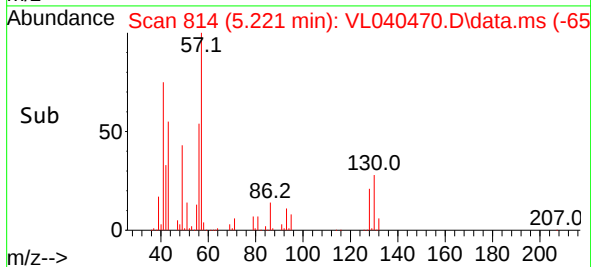
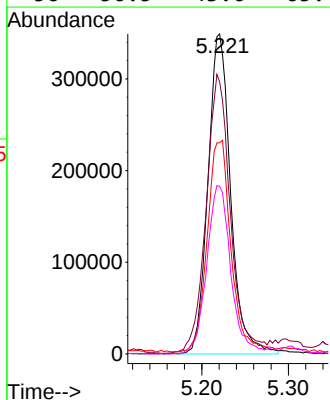
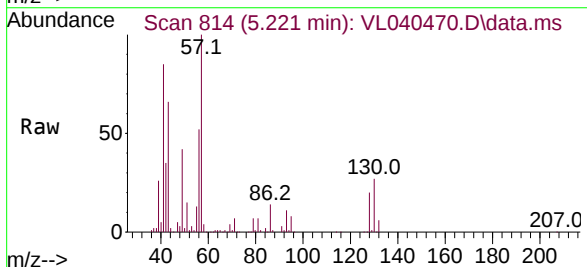
Manual Integrations
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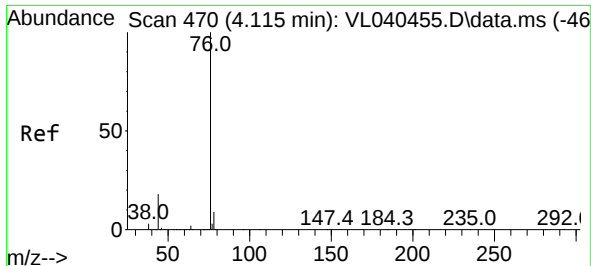
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#26
Hexane
Concen: 5.134 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

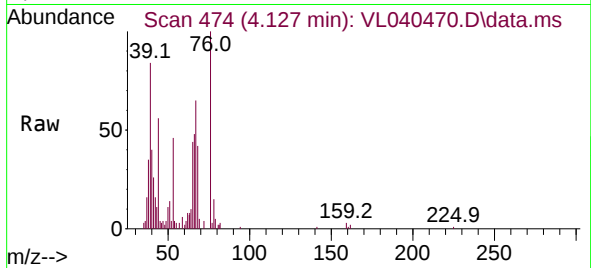
Tgt Ion: 57 Resp: 634619
Ion Ratio Lower Upper
57 100
41 93.3 73.0 109.6
43 70.7 177.5 266.3#
56 56.5 43.6 65.4





#27
Carbon Disulfide
Concen: 0.153 ppbv
RT: 4.127 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

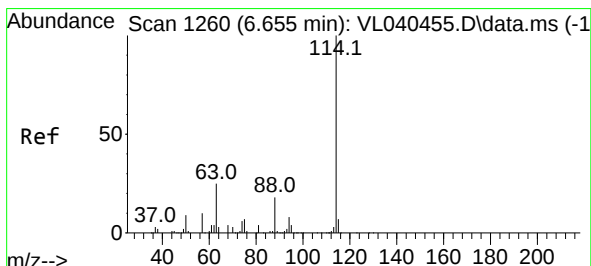
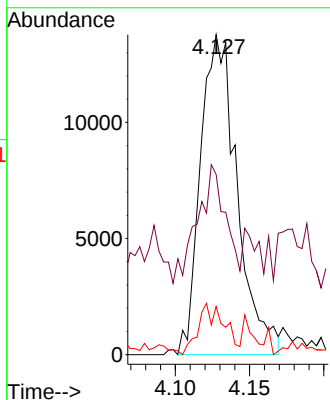
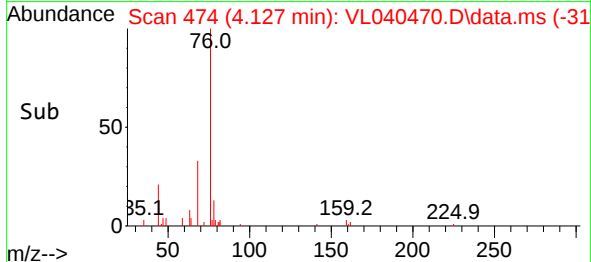
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP



Tgt Ion: 76 Resp: 2362
Ion Ratio Lower Upper
76 100
44 23.8 14.6 22.0
78 11.7 7.6 11.4

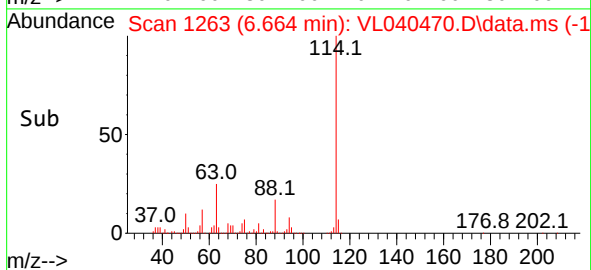
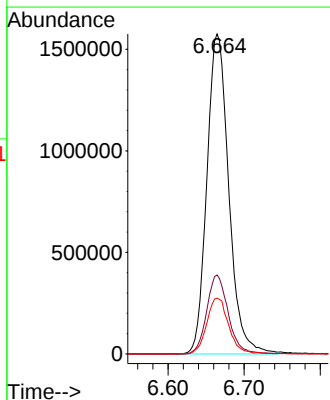
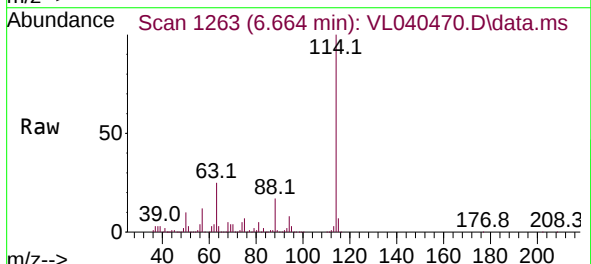
Manual Integrations
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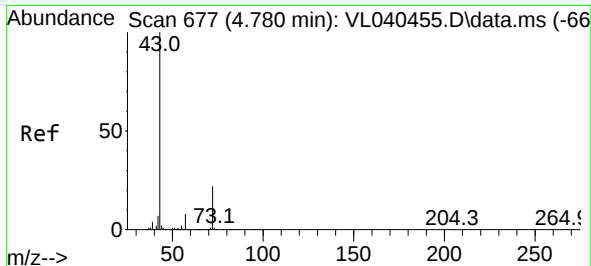
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion:114 Resp: 3148874
Ion Ratio Lower Upper
114 100
63 24.5 21.0 31.6
88 17.6 14.5 21.7





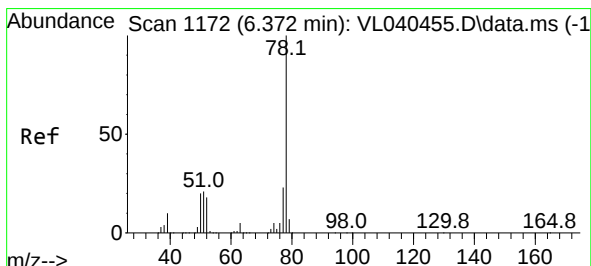
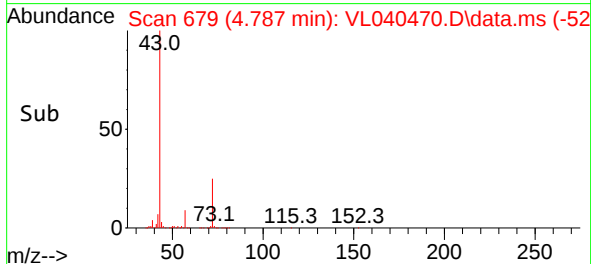
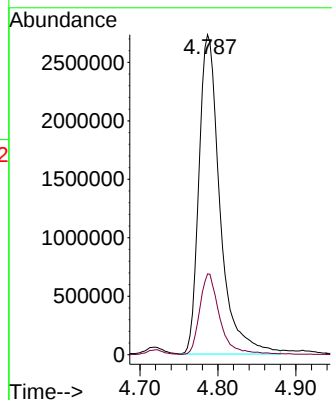
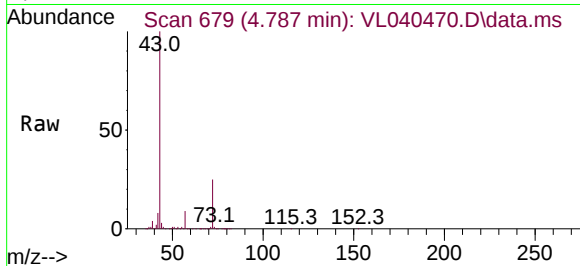
#34
2-Butanone
Concen: 33.758 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 43 Resp: 512593
Ion Ratio Lower Upper
43 100
72 24.4 18.1 27.1

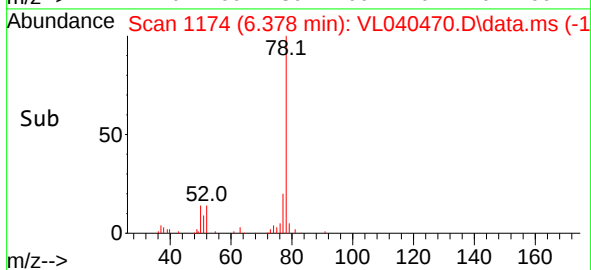
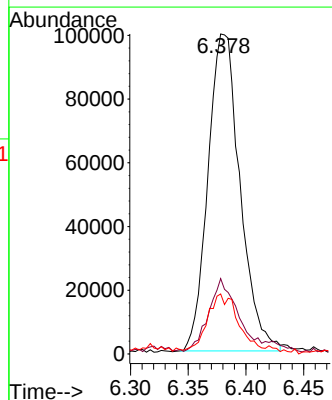
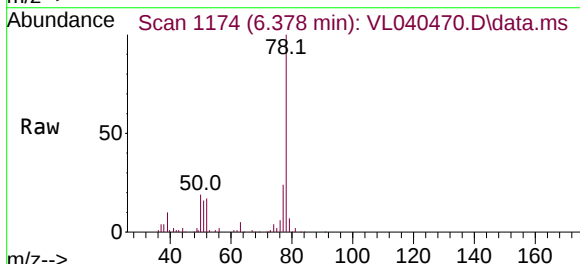
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APPROVED

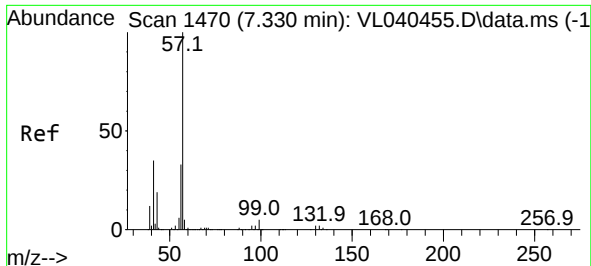
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#36
Benzene
Concen: 0.768 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

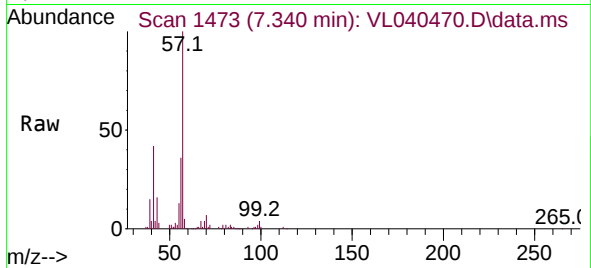
Tgt Ion: 78 Resp: 192345
Ion Ratio Lower Upper
78 100
77 22.3 18.5 27.7
50 18.1 16.1 24.1





#44
2,2,4-Trimethylpentane
Concen: 0.491 ppbv
RT: 7.340 min Scan# 1470
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

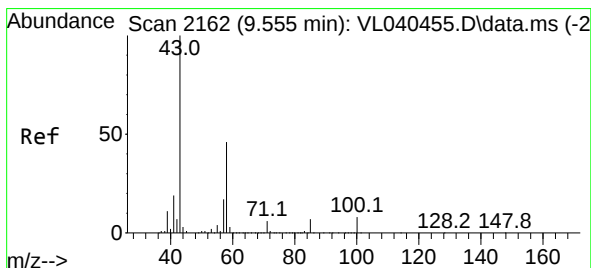
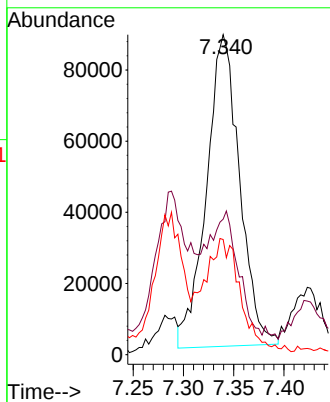
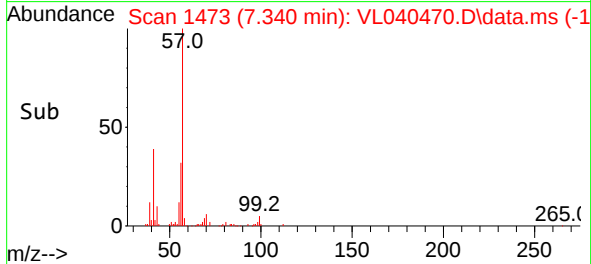
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP



Tgt Ion: 57 Resp: 200945
Ion Ratio Lower Upper
57 100
41 44.8 27.8 41.8
56 39.9 25.3 37.9

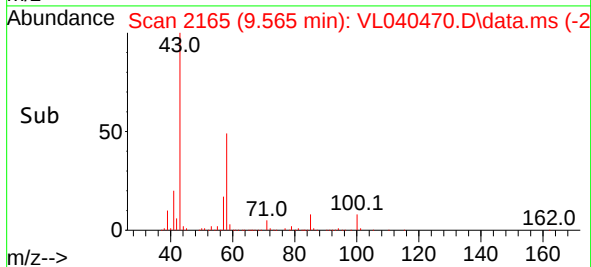
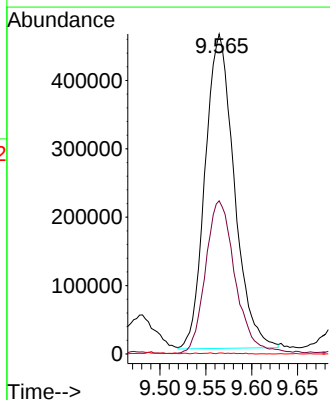
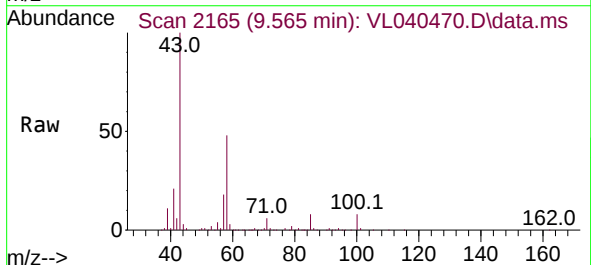
Manual Integrations
APPROVED

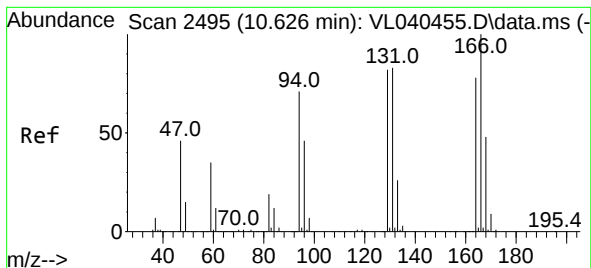
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#51
2-Hexanone
Concen: 7.176 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

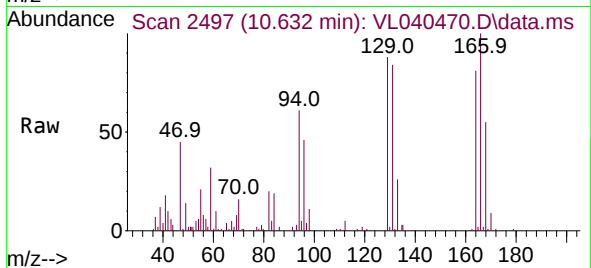
Tgt Ion: 43 Resp: 1013176
Ion Ratio Lower Upper
43 100
58 51.1 37.1 55.7
98 0.2 0.5 0.7





#52
Tetrachloroethene
Concen: 0.607 ppbv
RT: 10.632 min Scan# 2495
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

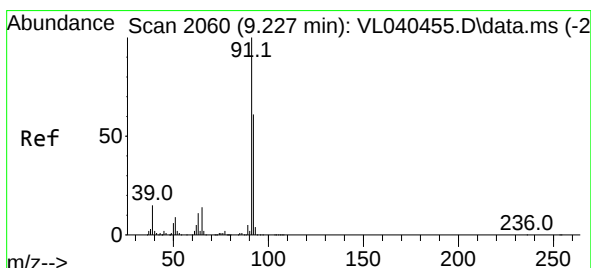
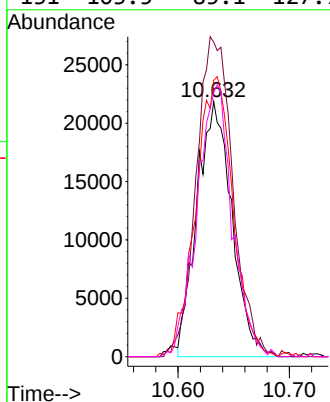
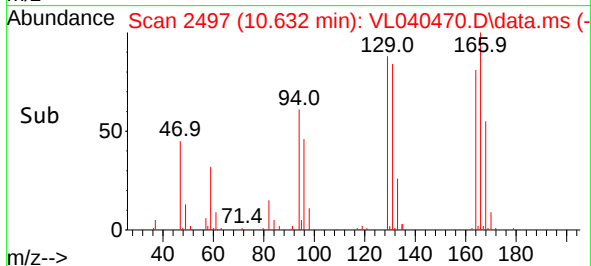
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP



Tgt Ion:164 Resp: 47698
Ion Ratio Lower Upper
164 100
166 123.4 102.7 154.1
129 108.4 84.6 126.8
131 103.5 85.1 127.7

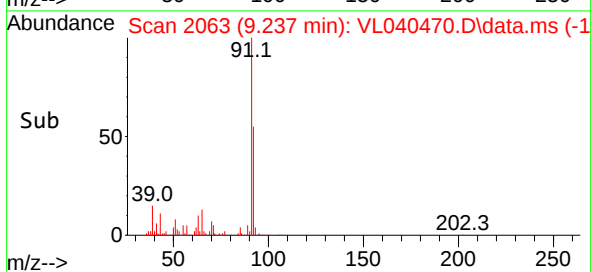
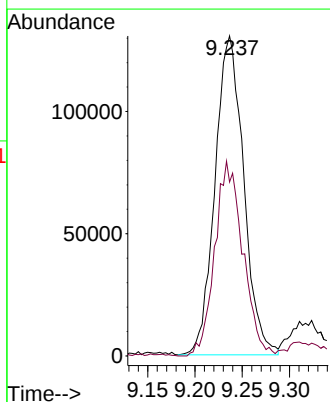
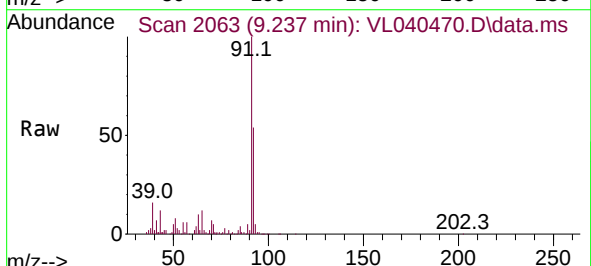
Manual Integrations
APPROVED

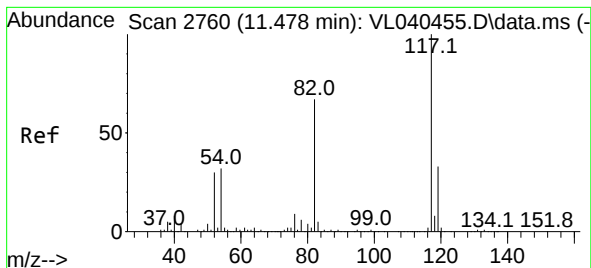
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#53
Toluene
Concen: 1.042 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

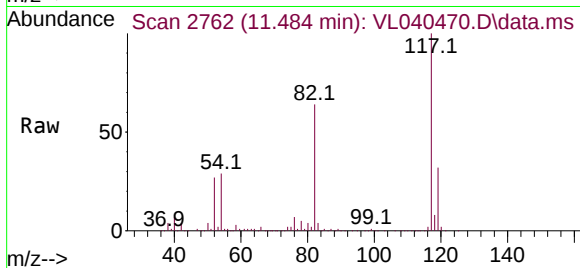
Tgt Ion: 91 Resp: 274910
Ion Ratio Lower Upper
91 100
92 60.3 49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

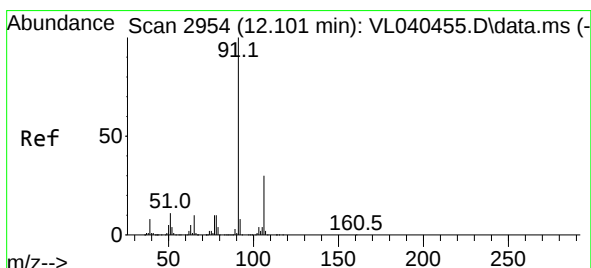
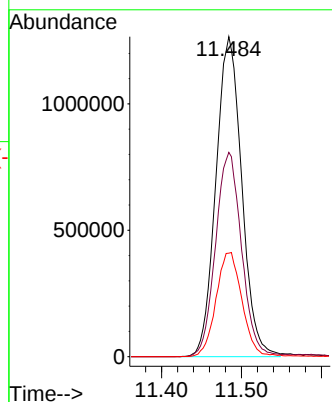
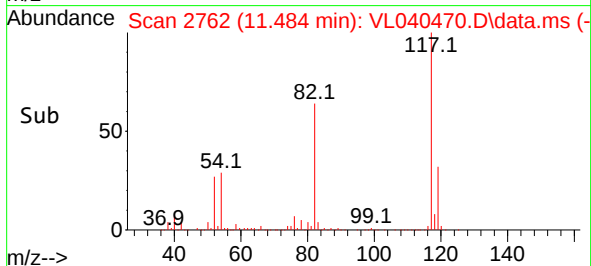
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP



Tgt Ion:117 Resp: 284315
Ion Ratio Lower Upper
117 100
82 64.4 53.0 79.4
119 32.9 24.4 36.6

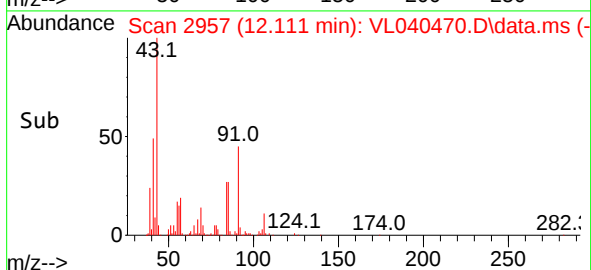
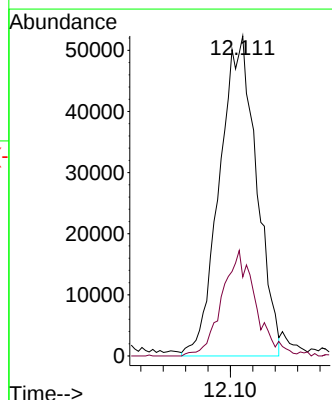
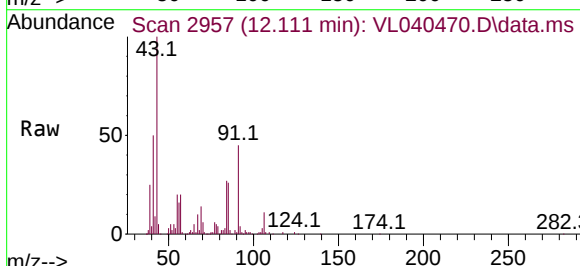
Manual Integrations
APPROVED

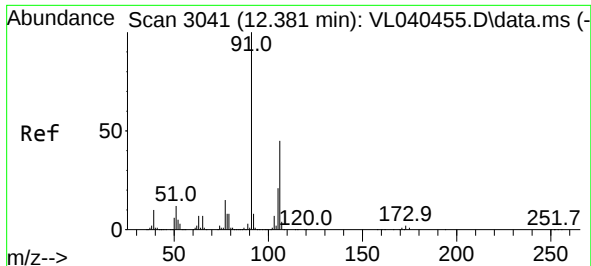
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#58
Ethyl Benzene
Concen: 0.348 ppbv m
RT: 12.111 min Scan# 2957
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 91 Resp: 120022
Ion Ratio Lower Upper
91 100
106 24.7 23.7 35.5





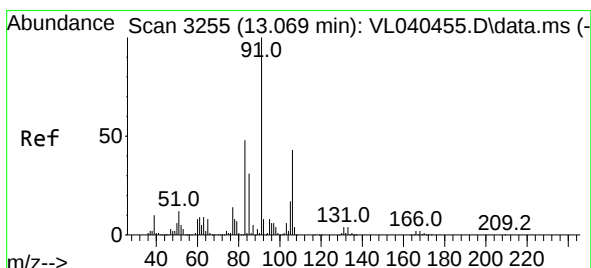
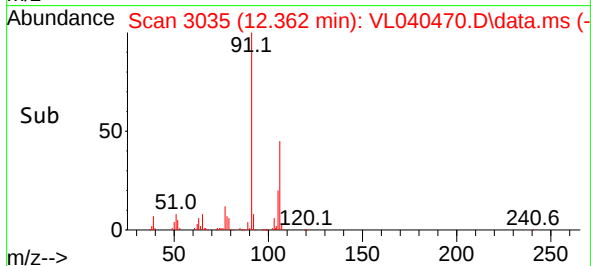
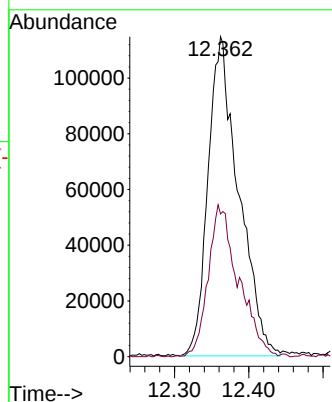
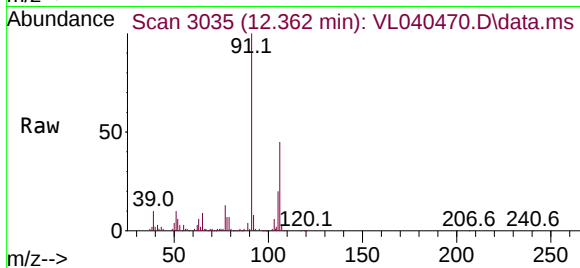
#59
m/p-Xylene
Concen: 1.036 ppbv
RT: 12.362 min Scan# 3041
Delta R.T. -0.019 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

Tgt Ion: 91 Resp: 32808
Ion Ratio Lower Upper
91 100
106 47.3 34.6 52.0

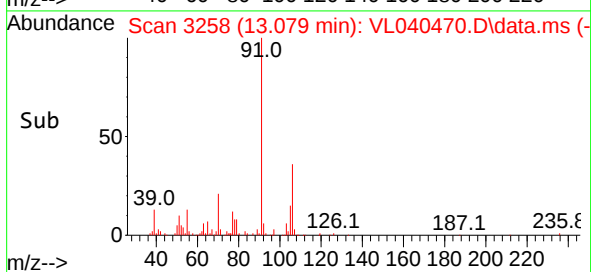
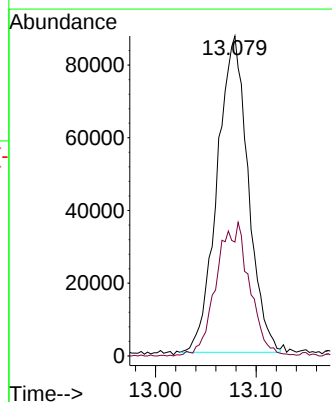
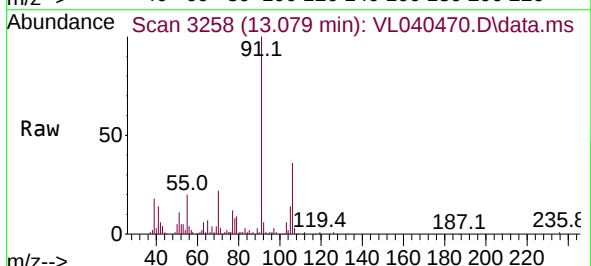
Manual Integrations
APPROVED

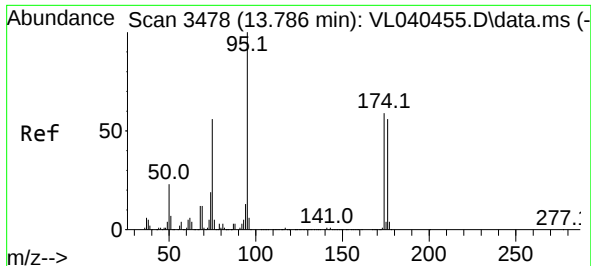
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#60
o-Xylene
Concen: 0.622 ppbv
RT: 13.079 min Scan# 3258
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

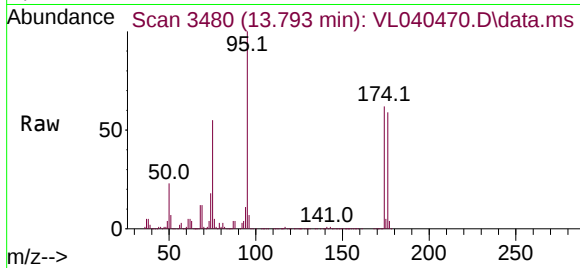
Tgt Ion: 91 Resp: 186713
Ion Ratio Lower Upper
91 100
106 45.2 22.1 66.1





#68
1-Bromo-4-Fluorobenzene
Concen: 9.706 ppbv
RT: 13.793 min Scan# 3478
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

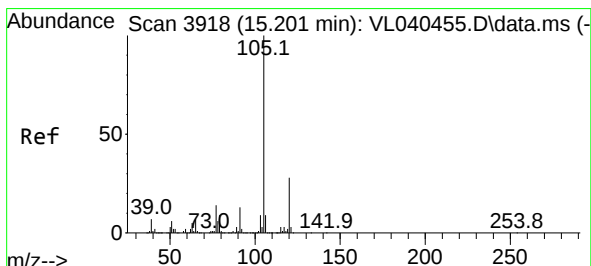
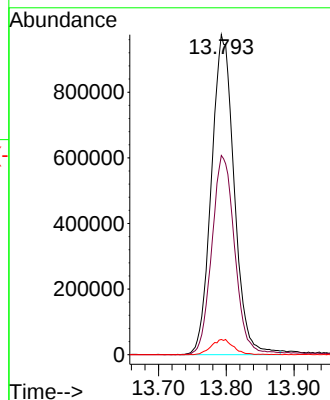
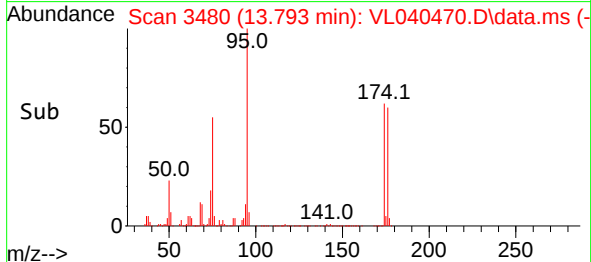
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP



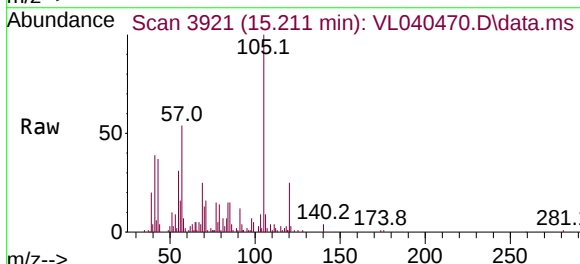
Tgt Ion: 95 Resp: 227756
Ion Ratio Lower Upper
95 100
174 63.7 47.7 71.5
175 4.7 3.5 5.3

Manual Integrations
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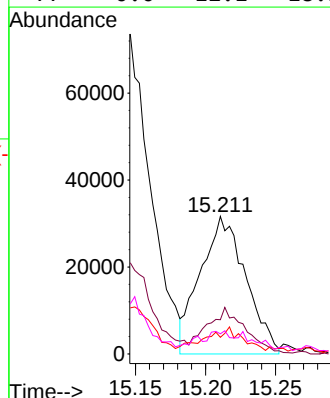
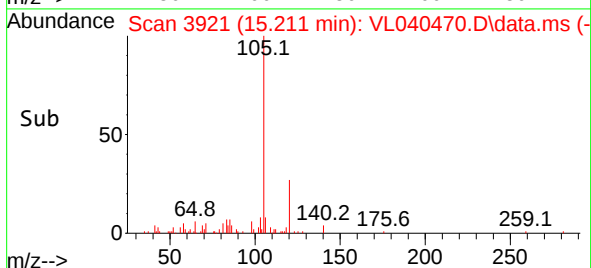
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

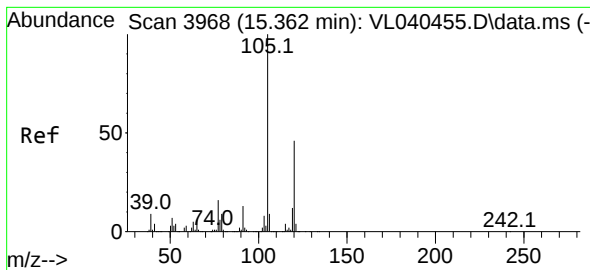


#72
4-Ethyltoluene
Concen: 0.211 ppbv m
RT: 15.211 min Scan# 3921
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52



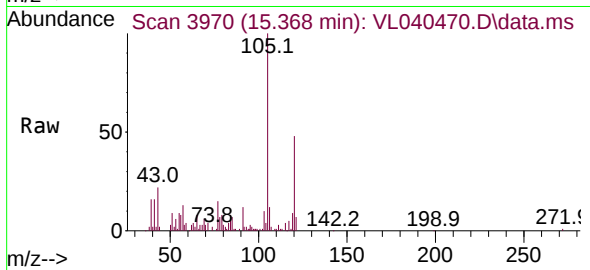
Tgt Ion:105 Resp: 71285
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.0#
91 0.0 11.1 16.7#
77 0.0 12.1 18.1#





#73
1,3,5-Trimethylbenzene
Concen: 0.285 ppbv
RT: 15.368 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

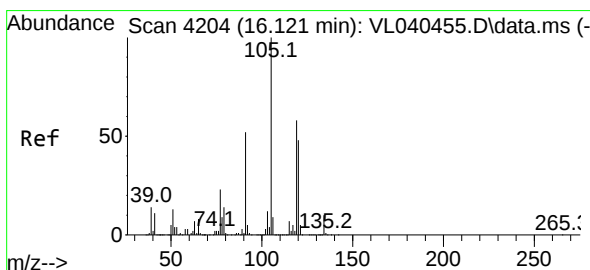
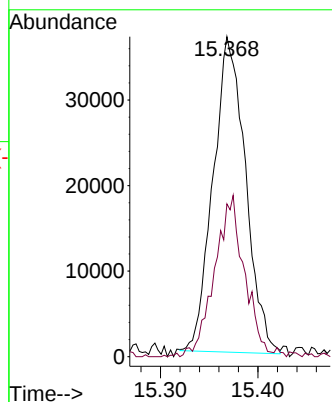
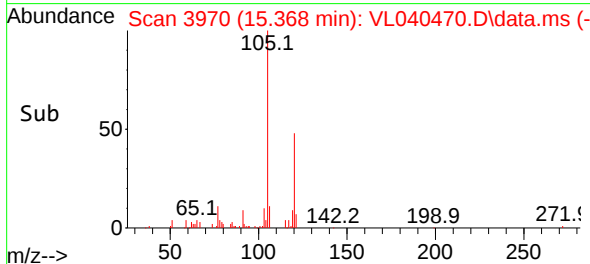
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP



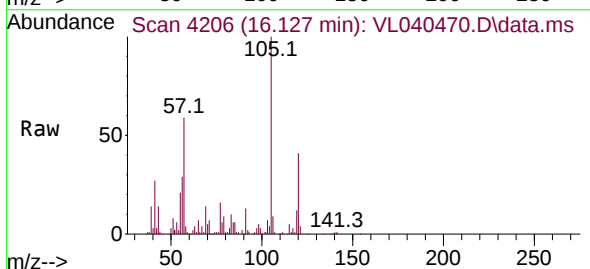
Tgt Ion:105 Resp: 85179
Ion Ratio Lower Upper
105 100
120 48.7 36.4 54.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.948 ppbv
RT: 16.127 min Scan# 4206
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52



Tgt Ion:105 Resp: 333338
Ion Ratio Lower Upper
105 100
120 41.2 38.4 57.6
91 13.1 41.3 61.9#
77 14.5 18.6 28.0#

