

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
 Data File : VL041112.D
 Acq On : 14 Mar 2024 18:22
 Operator : SY/MD
 Sample : P1748-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024
 Supervised By :Mahesh Dadoda 03/18/2024

Quant Time: Mar 15 02:49:33 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Mar 15 02:44:43 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1361123	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	3441524	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3182925	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2496206	10.031	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%
Target Compounds						
					Qvalue	
4) Chloromethane	2.803	50	20862	0.276	ppbv	99
9) Propene	2.687	41	2921733	43.887	ppbv	96
10) Heptane	7.574	43	69790	0.438	ppbv	92
13) Ethanol	3.237	45	89050	5.019	ppbv	97
15) Acetone	3.455	43	4872009	31.418	ppbv #	79
17) tert-Butyl alcohol	3.880	59	71801	0.625	ppbv #	92
20) Methylene Chloride	3.928	84	174376	2.884	ppbv	94
26) Hexane	5.208	57	178887	1.433	ppbv #	1
27) Carbon Disulfide	4.118	76	1312018	8.765	ppbv	99
30) Cyclohexane	6.597	84	26799	0.259	ppbv	94
34) 2-Butanone	4.777	43	8137428	47.756	ppbv	97
36) Benzene	6.365	78	104974	0.410	ppbv #	88
44) 2,2,4-Trimethylpentane	7.323	57	345978m	0.809	ppbv	
51) 2-Hexanone	9.542	43	1567384	8.514	ppbv	99
52) Tetrachloroethene	10.616	164	98466m	1.239	ppbv	
53) Toluene	9.217	91	645169	2.336	ppbv	98
58) Ethyl Benzene	12.089	91	249375	0.669	ppbv	93
59) m/p-Xylene	12.339	91	690693	2.112	ppbv	95
60) o-Xylene	13.056	91	289309	0.932	ppbv	100
64) n-propylbenzene	14.908	120	15930m	0.137	ppbv	
72) 4-Ethyltoluene	15.188	105	77967	0.228	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.346	105	52873	0.175	ppbv	90
74) 1,2,4-Trimethylbenzene	16.104	105	263671m	0.763	ppbv	

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

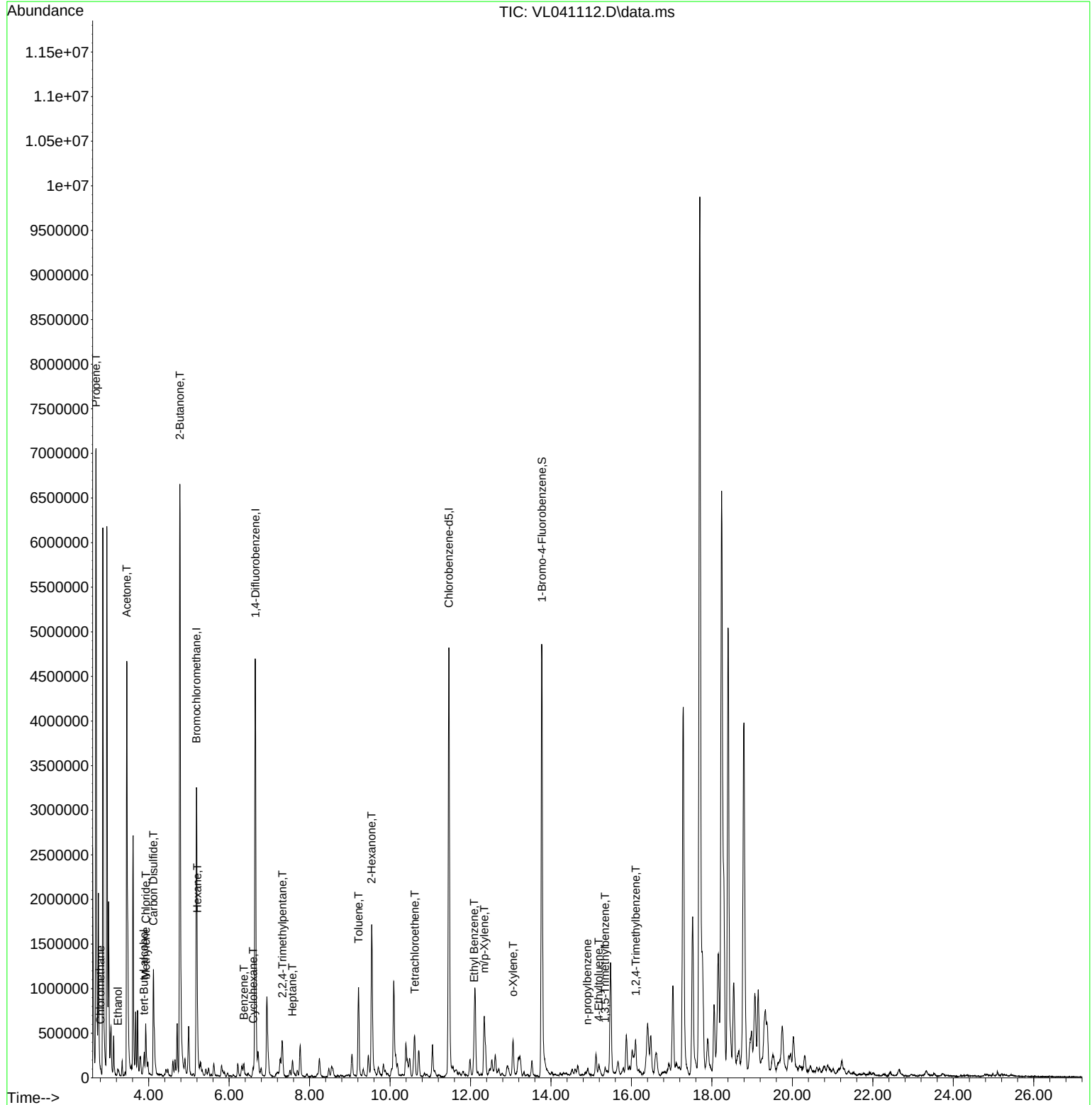
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
Data File : VL041112.D
Acq On : 14 Mar 2024 18:22
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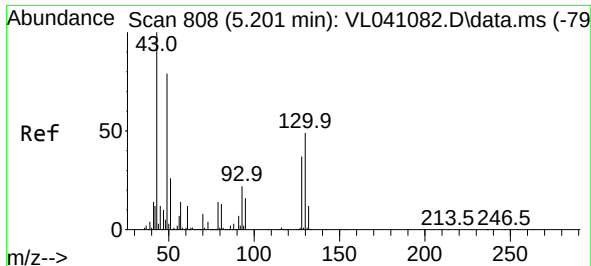
Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Quant Time: Mar 15 02:49:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 15 02:44:43 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 03/18/2024
Supervised By : Mahesh Dadoda 03/18/2024





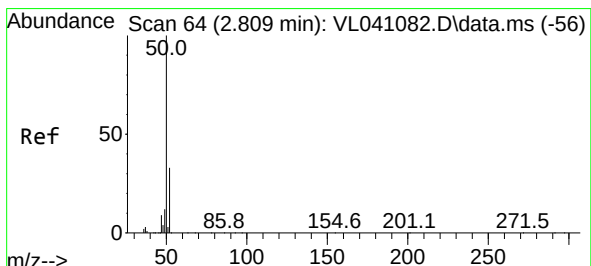
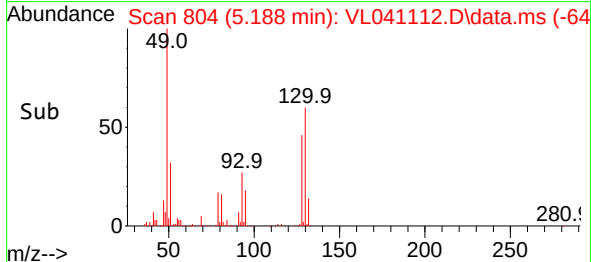
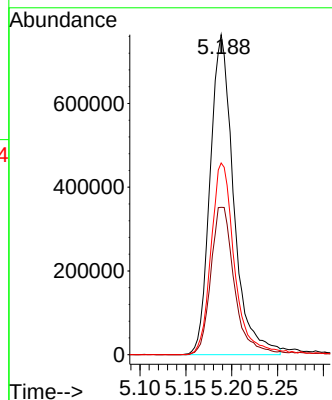
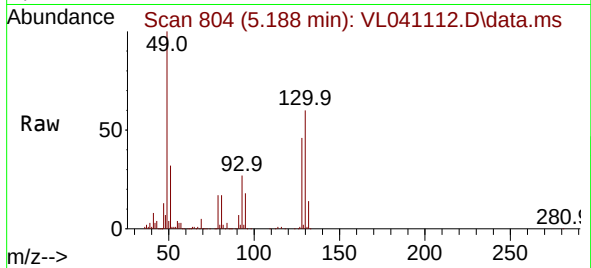
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 49 Resp: 136112
Ion Ratio Lower Upper
49 100
128 47.4 23.8 71.5
130 60.8 30.3 90.9

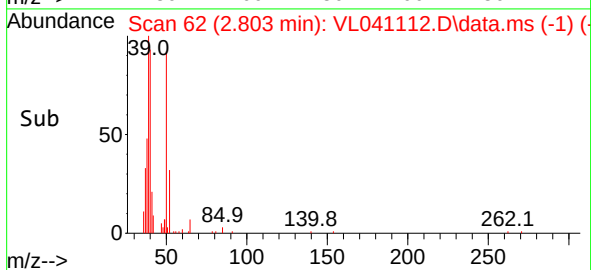
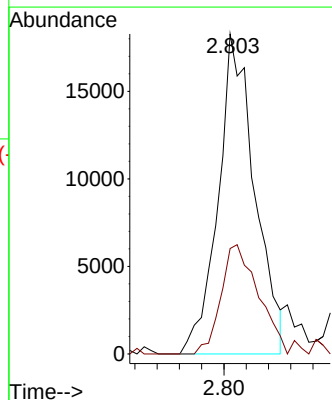
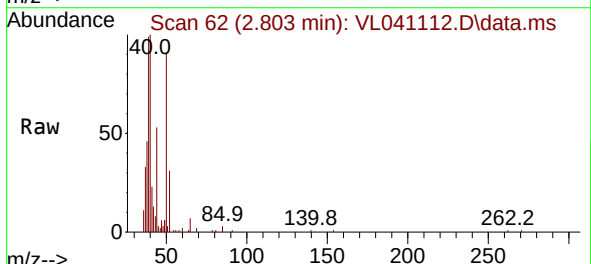
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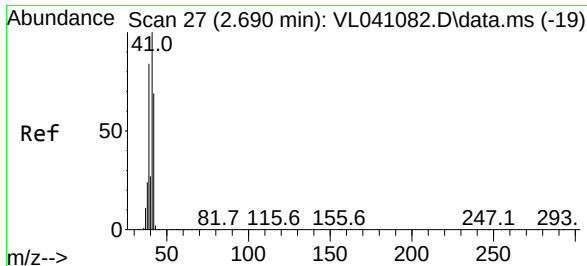
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#4
Chloromethane
Concen: 0.276 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

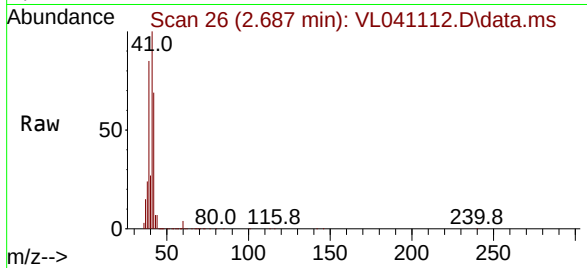
Tgt Ion: 50 Resp: 20862
Ion Ratio Lower Upper
50 100
52 32.9 26.6 40.0





#9
Propene
Concen: 43.887 ppbv
RT: 2.687 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

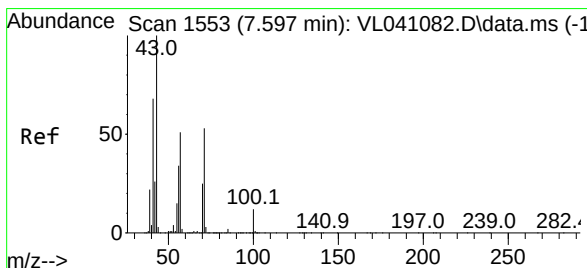
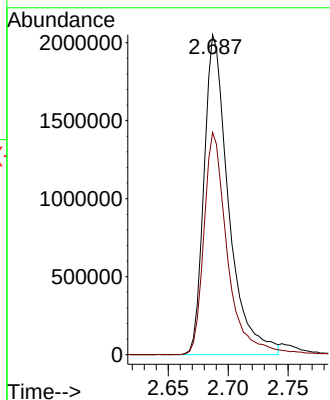
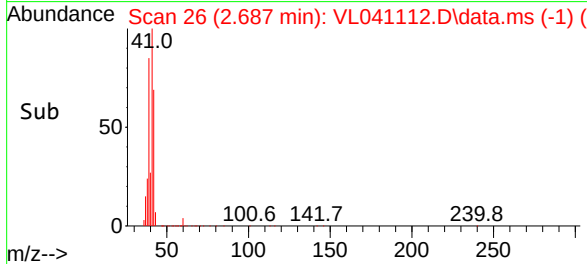
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



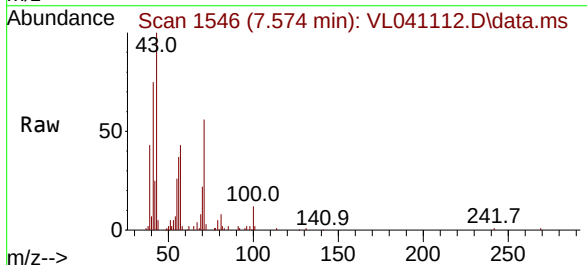
Tgt Ion: 41 Resp: 292173
Ion Ratio Lower Upper
41 100
42 67.0 55.9 83.9

Manual Integrations
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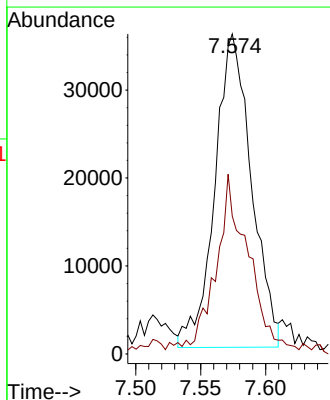
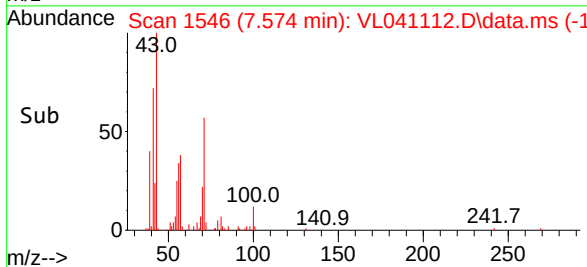
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

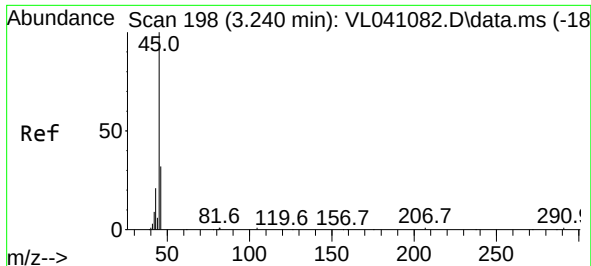


#10
Heptane
Concen: 0.438 ppbv
RT: 7.574 min Scan# 1546
Delta R.T. 0.006 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22



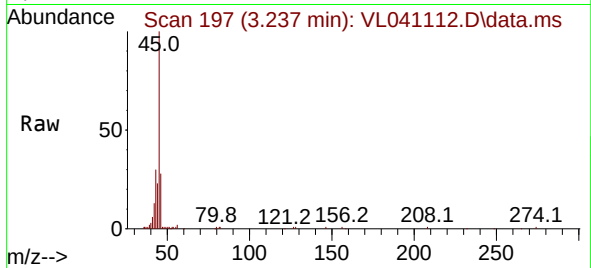
Tgt Ion: 43 Resp: 69790
Ion Ratio Lower Upper
43 100
57 57.2 41.0 61.6





#13
Ethanol
Concen: 5.019 ppbv
RT: 3.237 min Scan# 198
Delta R.T. 0.009 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

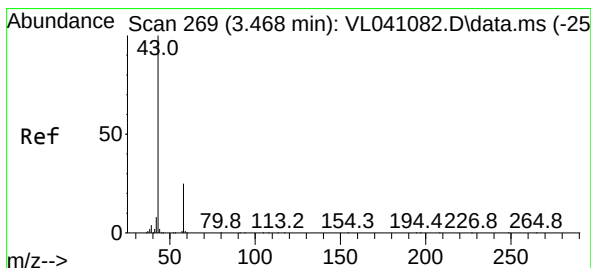
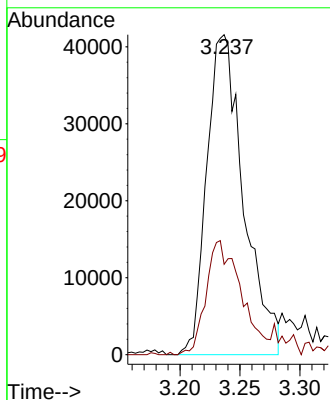
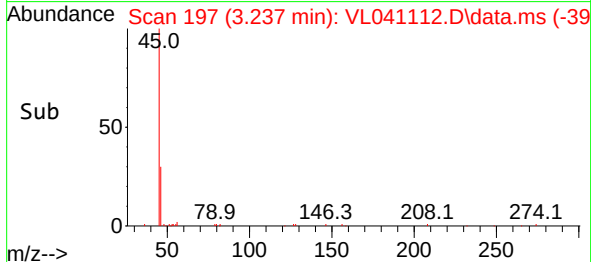
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



Tgt Ion: 45 Resp: 89050
Ion Ratio Lower Upper
45 100
46 38.1 14.6 58.2

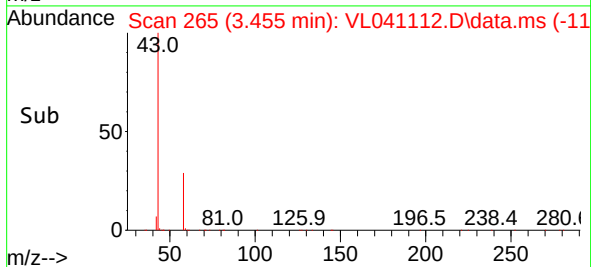
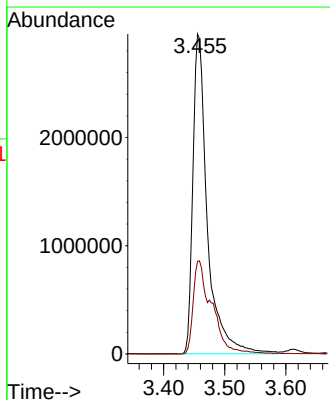
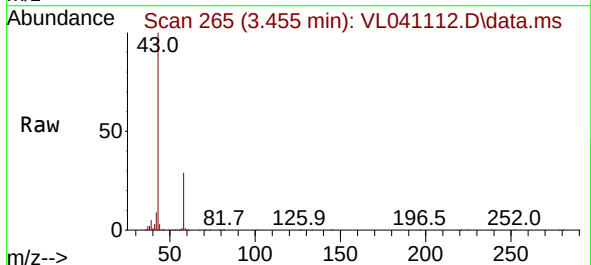
Manual Integrations
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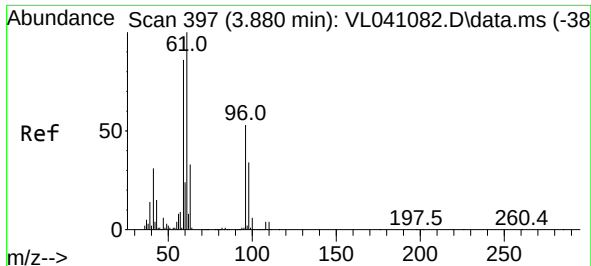
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#15
Acetone
Concen: 31.418 ppbv
RT: 3.455 min Scan# 265
Delta R.T. -0.000 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

Tgt Ion: 43 Resp: 4872009
Ion Ratio Lower Upper
43 100
58 37.8 21.7 32.5#





#17

tert-Butyl alcohol

Concen: 0.625 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.016 min

Lab File: VL041112.D

Acq: 14 Mar 2024 18:22

Instrument :

MSVOA_L

ClientSampleId :

SVP-01

Tgt Ion: 59 Resp: 7180

Ion Ratio Lower Upper

59 100

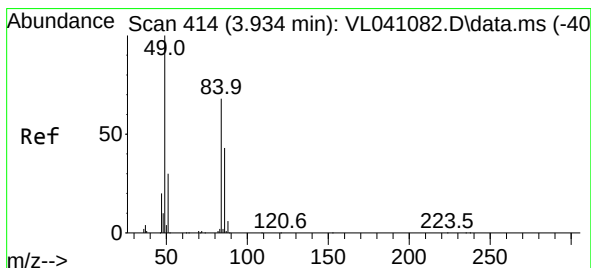
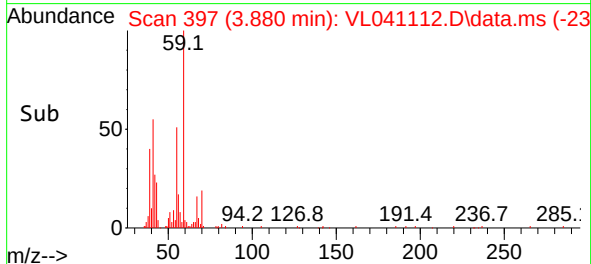
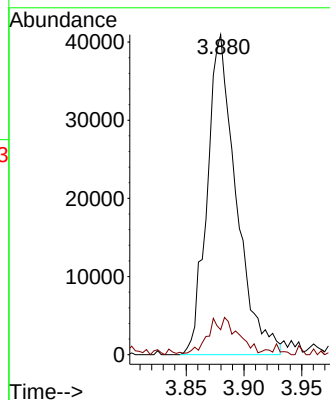
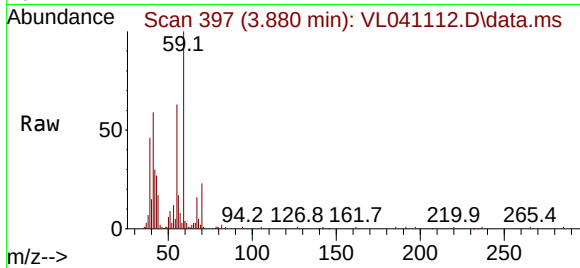
57 14.5 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#20

Methylene Chloride

Concen: 2.884 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.006 min

Lab File: VL041112.D

Acq: 14 Mar 2024 18:22

Tgt Ion: 84 Resp: 174376

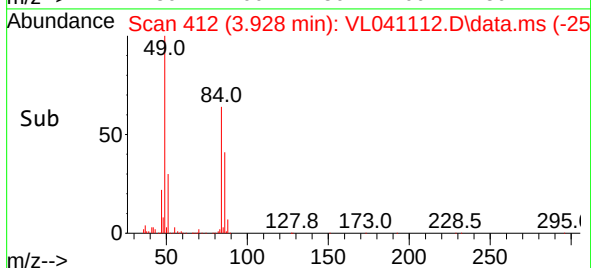
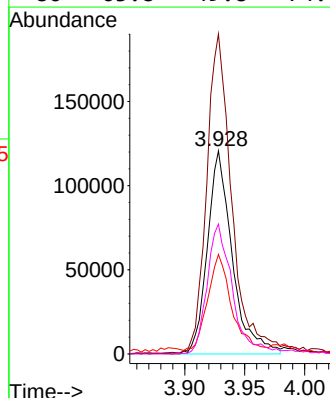
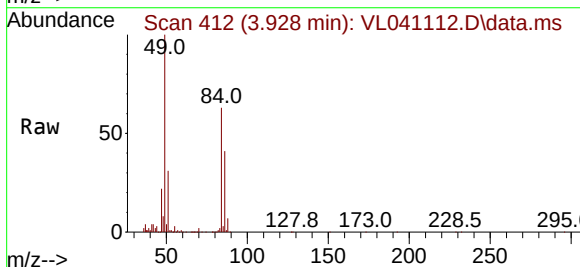
Ion Ratio Lower Upper

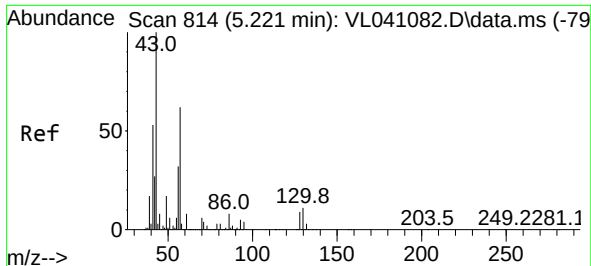
84 100

49 155.5 117.0 175.6

51 46.8 34.9 52.3

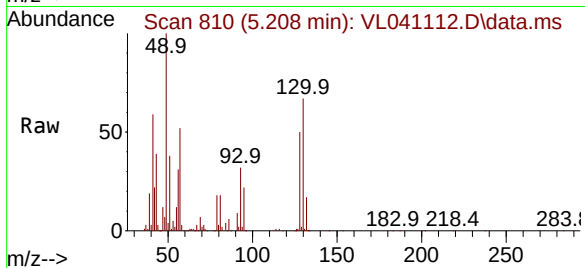
86 63.8 49.8 74.6





#26
Hexane
Concen: 1.433 ppbv
RT: 5.208 min Scan# 814
Delta R.T. 0.006 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

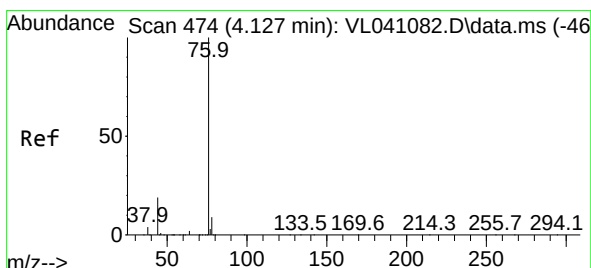
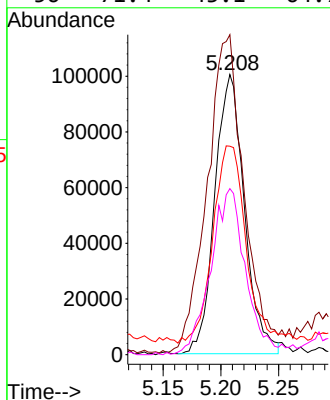
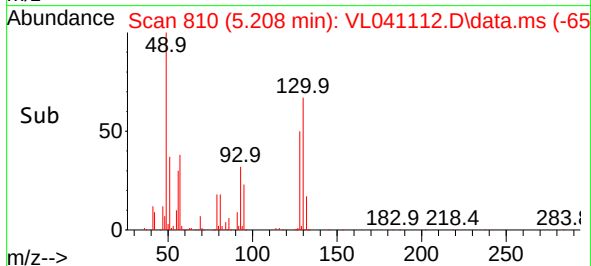
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



Tgt Ion: 57 Resp: 17888
Ion Ratio Lower Upper
57 100
41 142.4 73.8 110.6
43 0.0 184.2 276.2
56 71.4 43.1 64.7

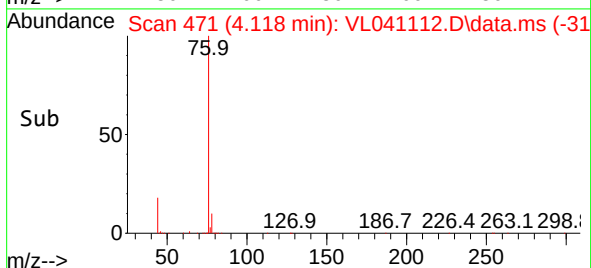
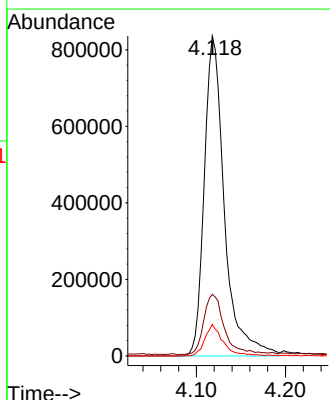
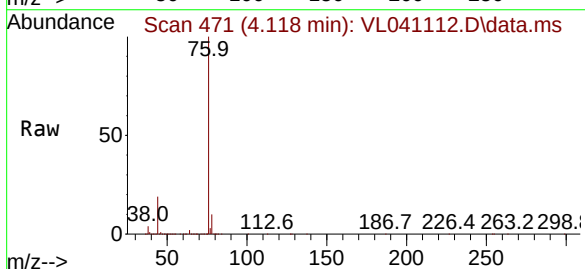
Manual Integrations
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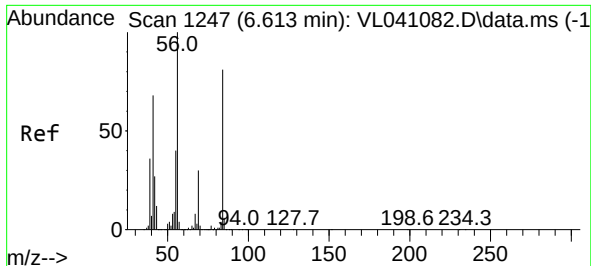
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#27
Carbon Disulfide
Concen: 8.765 ppbv
RT: 4.118 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

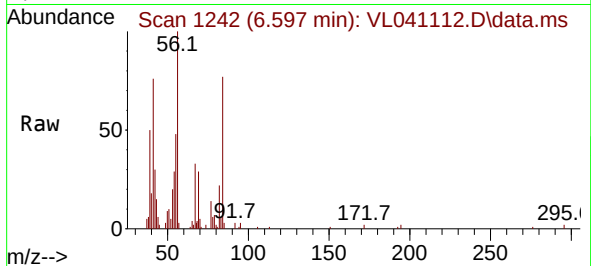
Tgt Ion: 76 Resp: 1312018
Ion Ratio Lower Upper
76 100
44 19.3 16.0 24.0
78 9.2 7.5 11.3





#30
Cyclohexane
Concen: 0.259 ppbv
RT: 6.597 min Scan# 1242
Delta R.T. 0.009 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

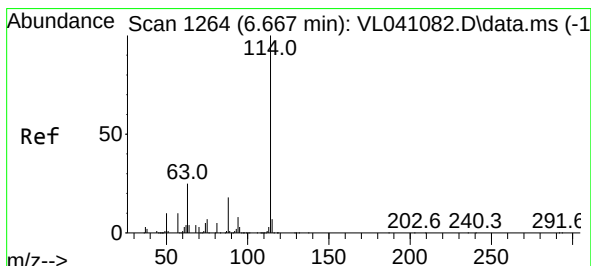
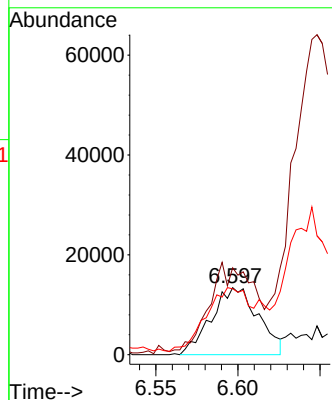
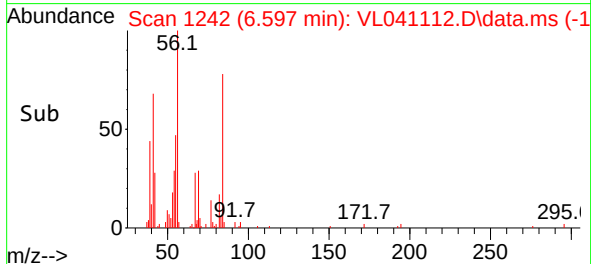
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



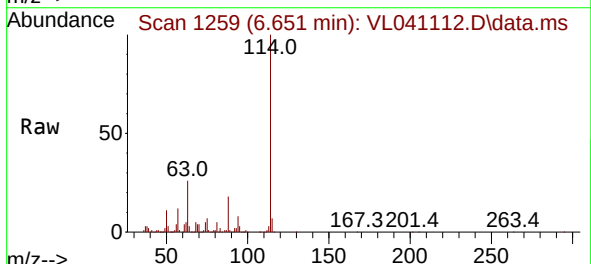
Tgt Ion: 84 Resp: 26799
Ion Ratio Lower Upper
84 100
56 131.7 110.4 165.6
41 81.5 70.6 105.8

Manual Integrations
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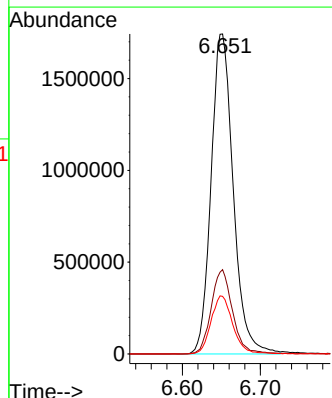
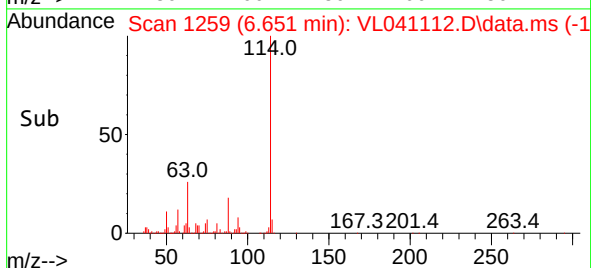
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

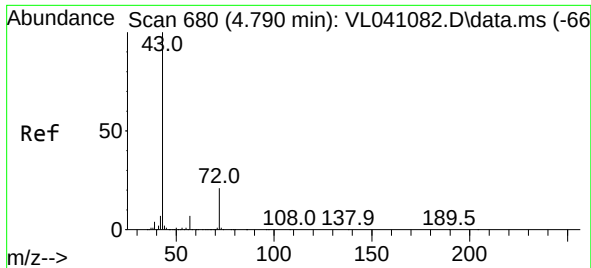


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 1259
Delta R.T. 0.009 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22



Tgt Ion:114 Resp: 3441524
Ion Ratio Lower Upper
114 100
63 25.6 21.0 31.6
88 17.9 14.6 22.0





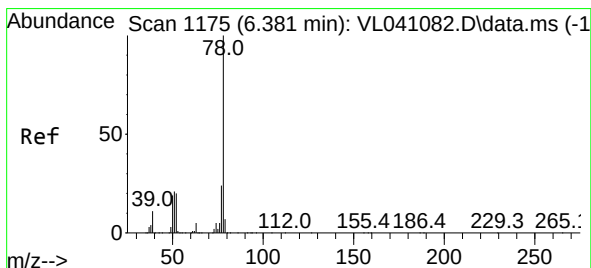
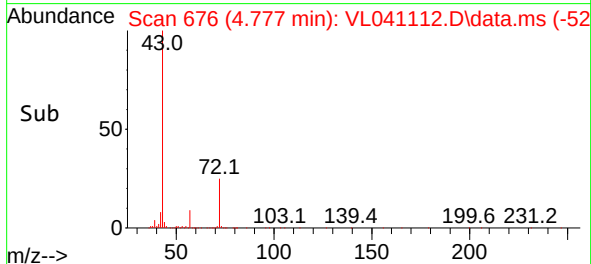
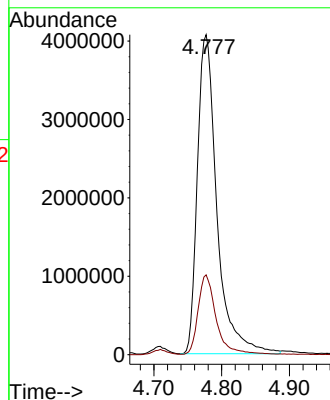
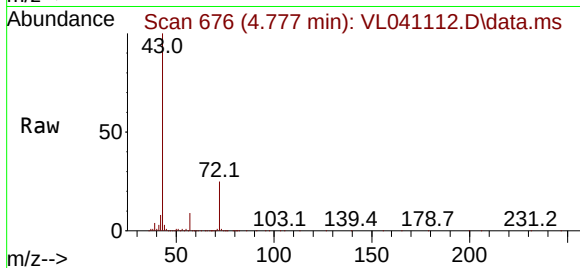
#34
2-Butanone
Concen: 47.756 ppbv
RT: 4.777 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 43 Resp: 8137428
Ion Ratio Lower Upper
43 100
72 23.3 17.4 26.0

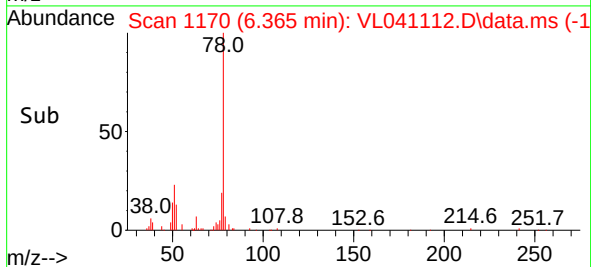
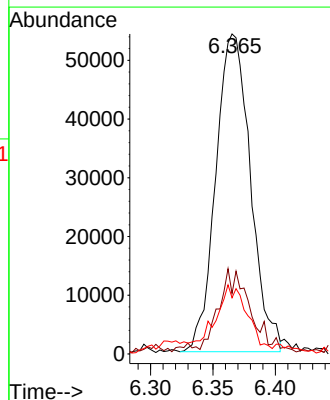
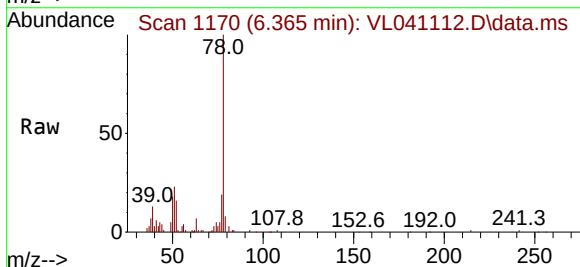
Manual Integrations
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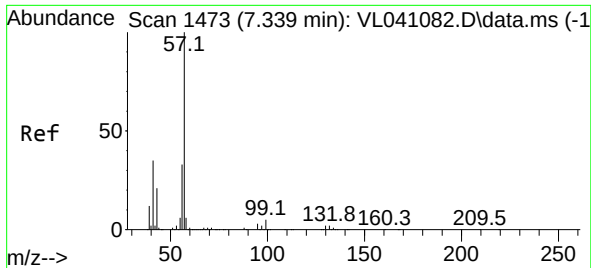
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#36
Benzene
Concen: 0.410 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

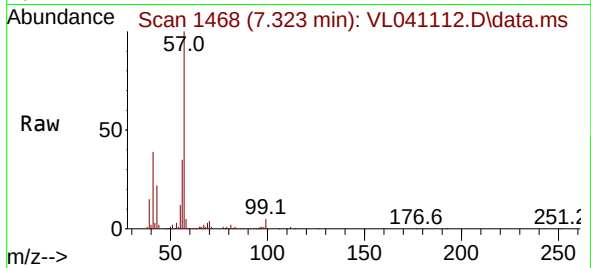
Tgt Ion: 78 Resp: 104974
Ion Ratio Lower Upper
78 100
77 17.3 18.8 28.2#
50 14.6 15.5 23.3#





#44
2,2,4-Trimethylpentane
Concen: 0.809 ppbv m
RT: 7.323 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

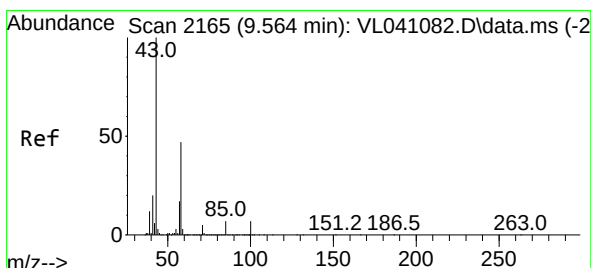
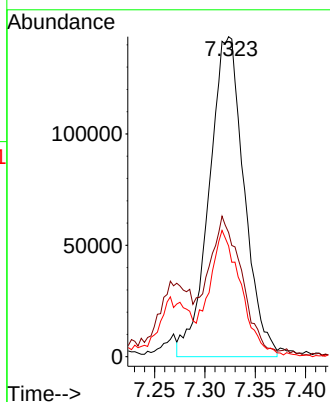
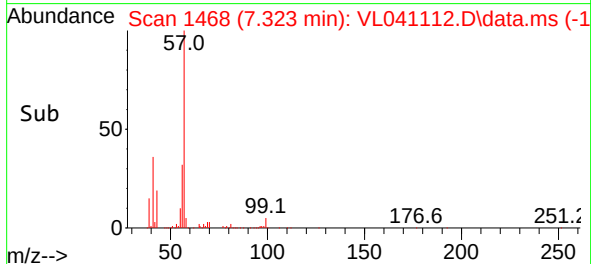
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



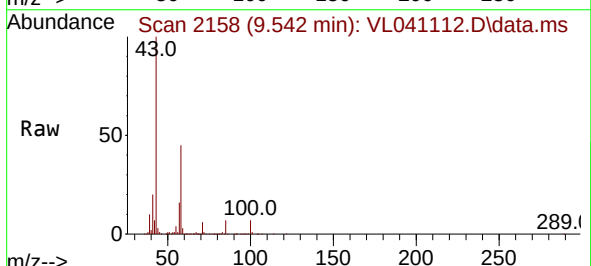
Tgt Ion: 57 Resp: 345978
Ion Ratio Lower Upper
57 100
41 42.3 28.0 42.0
56 36.7 25.7 38.5

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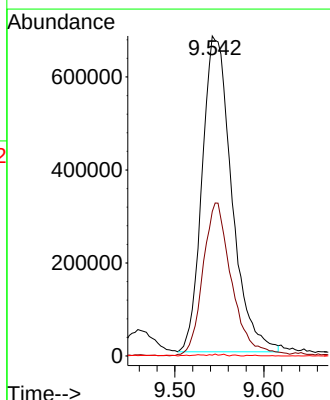
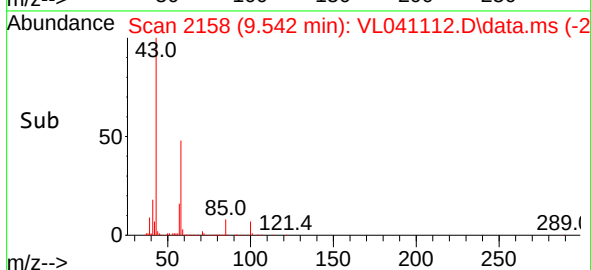
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

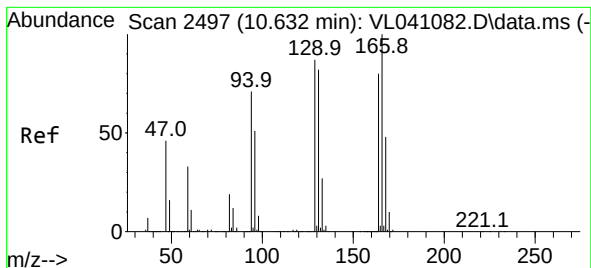


#51
2-Hexanone
Concen: 8.514 ppbv
RT: 9.542 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22



Tgt Ion: 43 Resp: 1567384
Ion Ratio Lower Upper
43 100
58 47.8 37.4 56.2
98 0.5 0.4 0.6





#52

Tetrachloroethene

Concen: 1.239 ppbv m

RT: 10.616 min Scan# 2497

Delta R.T. 0.006 min

Lab File: VL041112.D

Acq: 14 Mar 2024 18:22

Instrument :

MSVOA_L

ClientSampleId :

SVP-01

Tgt Ion:164 Resp: 98460

Ion Ratio Lower Upper

164 100

166 117.2 100.6 150.8

129 96.4 87.2 130.8

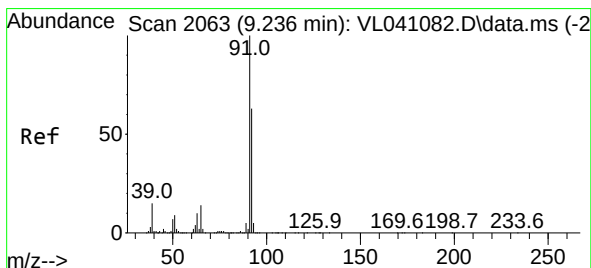
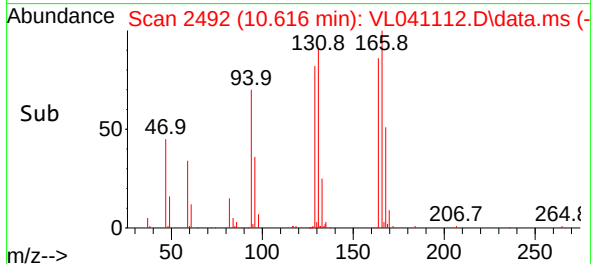
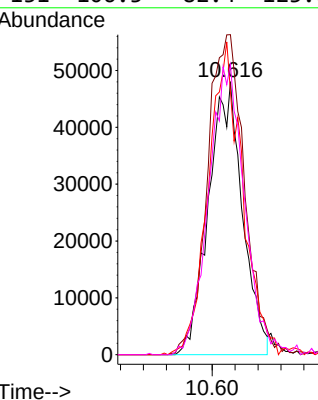
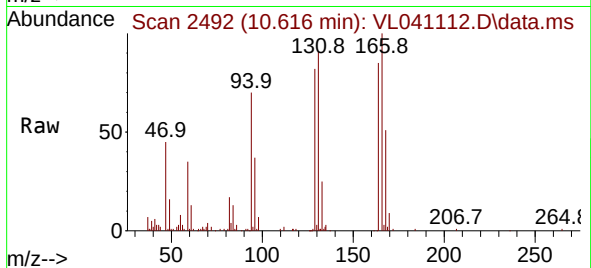
131 106.3 82.4 123.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/18/2024

Supervised By :Mahesh Dadoda 03/18/2024



#53

Toluene

Concen: 2.336 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VL041112.D

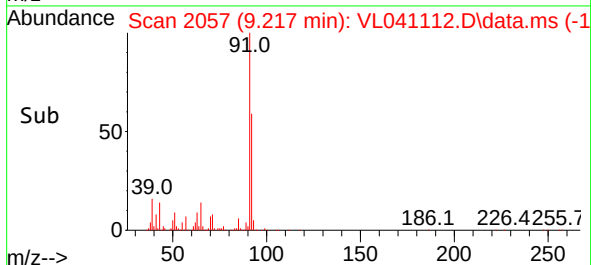
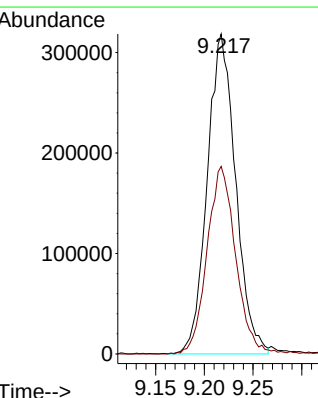
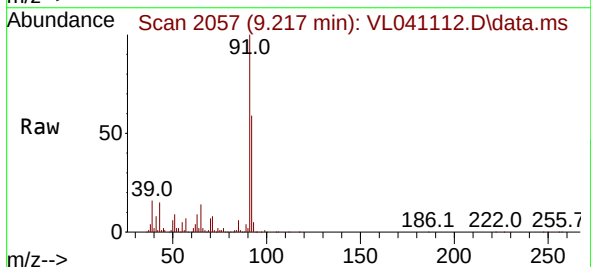
Acq: 14 Mar 2024 18:22

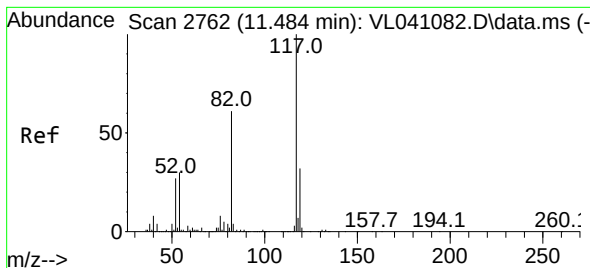
Tgt Ion: 91 Resp: 645169

Ion Ratio Lower Upper

91 100

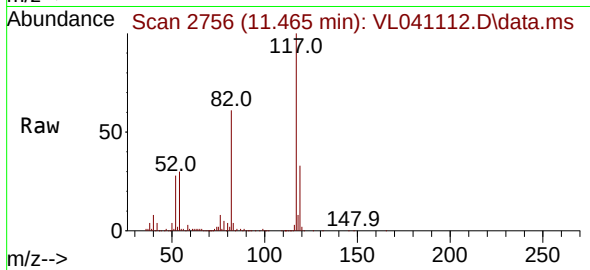
92 59.6 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

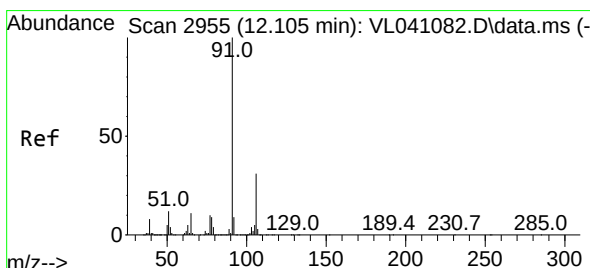
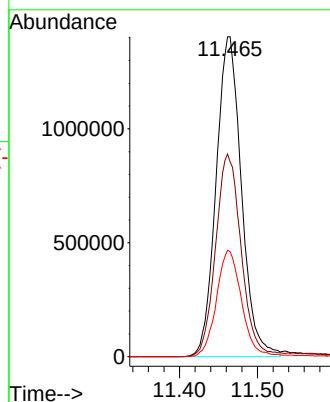
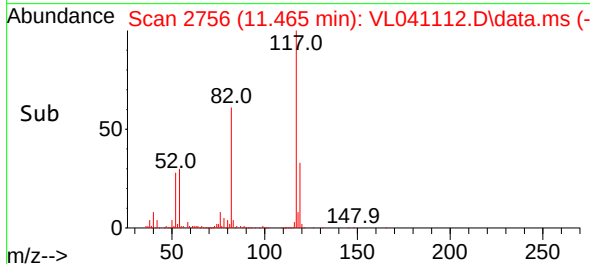
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



Tgt Ion: 117 Resp: 318292
Ion Ratio Lower Upper
117 100
82 65.6 51.4 77.2
119 33.4 23.7 35.5

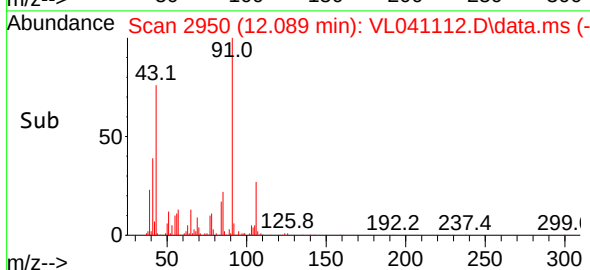
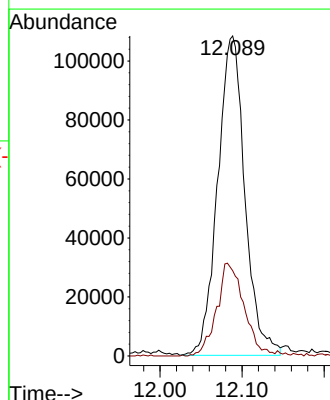
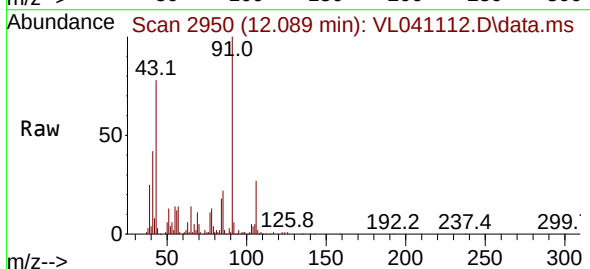
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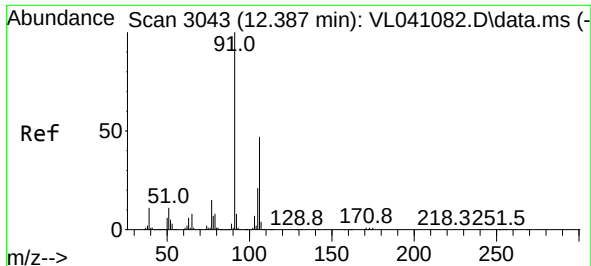
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#58
Ethyl Benzene
Concen: 0.669 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.006 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

Tgt Ion: 91 Resp: 249375
Ion Ratio Lower Upper
91 100
106 26.7 24.6 36.8





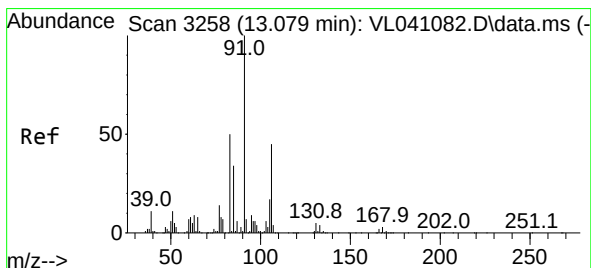
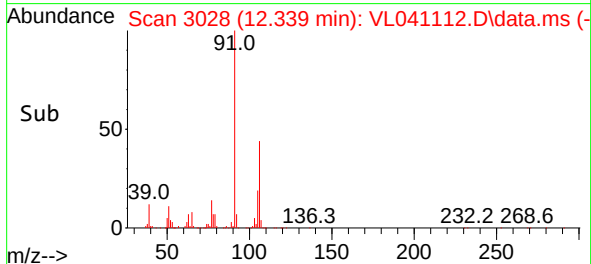
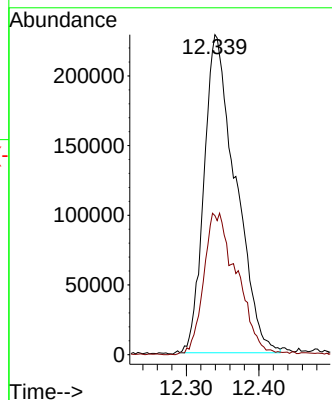
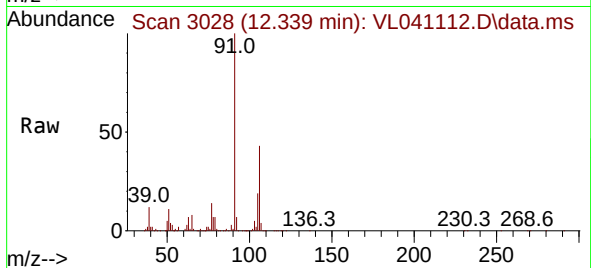
#59
m/p-Xylene
Concen: 2.112 ppbv
RT: 12.339 min Scan# 3043
Delta R.T. -0.023 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 91 Resp: 69069
Ion Ratio Lower Upper
91 100
106 47.7 35.4 53.2

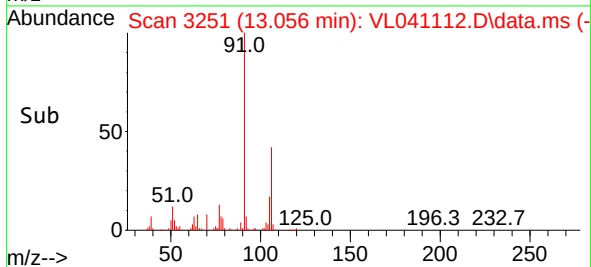
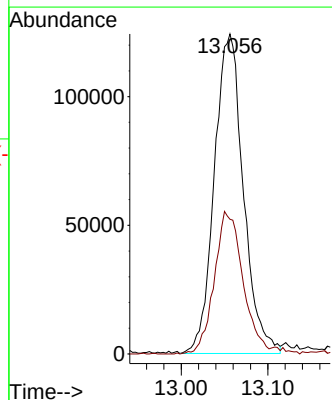
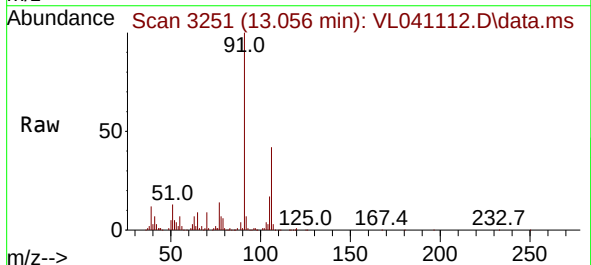
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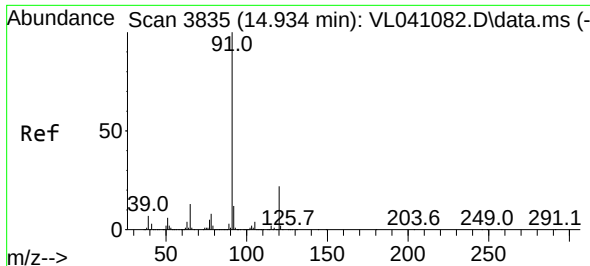
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#60
o-Xylene
Concen: 0.932 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. 0.006 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

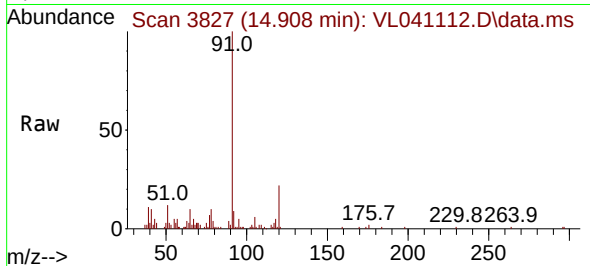
Tgt Ion: 91 Resp: 289309
Ion Ratio Lower Upper
91 100
106 44.8 22.4 67.3





#64
n-propylbenzene
Concen: 0.137 ppbv m
RT: 14.908 min Scan# 3827
Delta R.T. 0.003 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

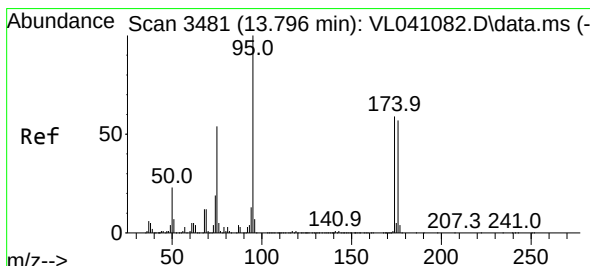
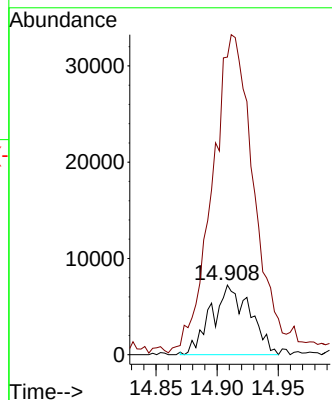
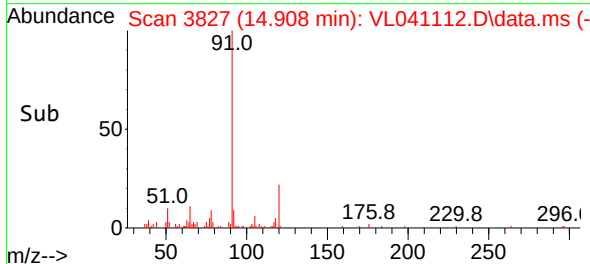
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



Tgt Ion:120 Resp: 15930
Ion Ratio Lower Upper
120 100
91 499.4 387.5 581.3

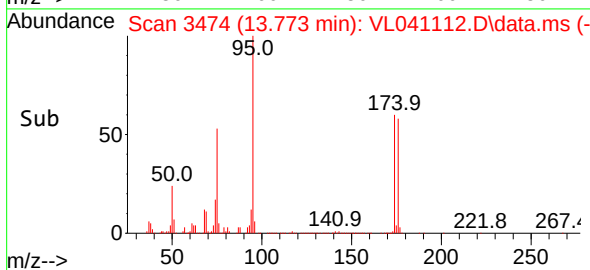
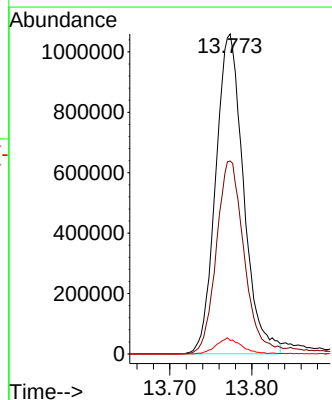
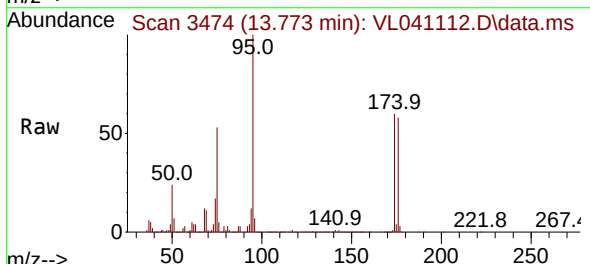
Manual Integrations
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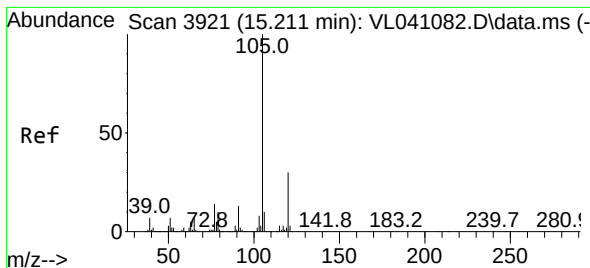
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.031 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. 0.009 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

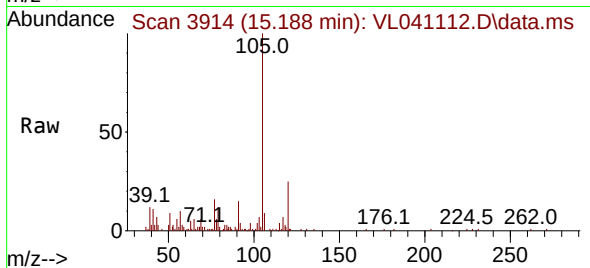
Tgt Ion: 95 Resp: 2496206
Ion Ratio Lower Upper
95 100
174 63.3 47.8 71.8
175 4.6 3.5 5.3





#72
4-Ethyltoluene
Concen: 0.228 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.003 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22

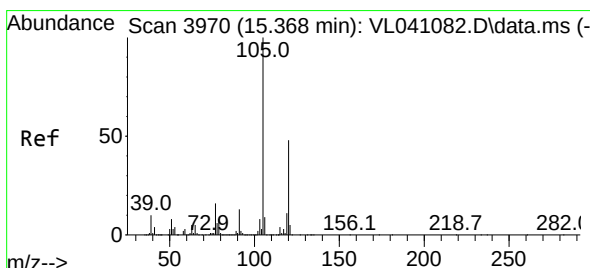
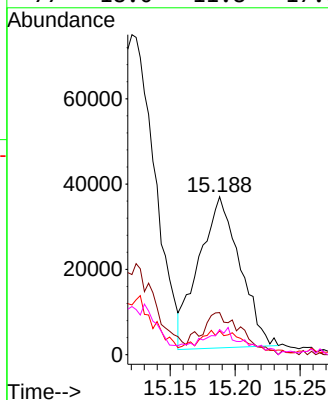
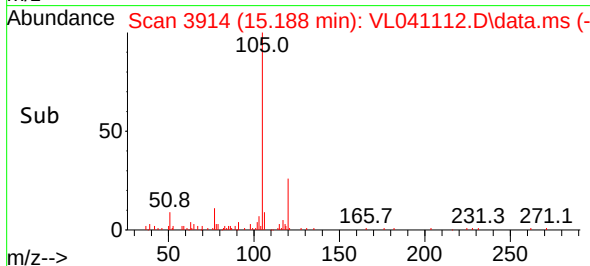
Instrument :
MSVOA_L
ClientSampleId :
SVP-01



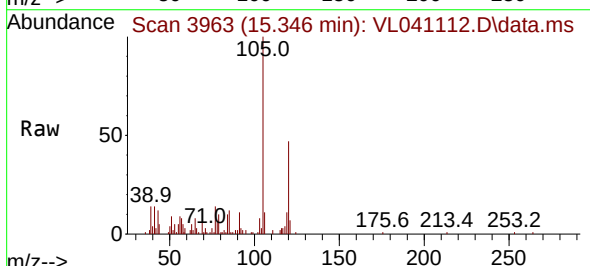
Tgt Ion:105 Resp: 7796
Ion Ratio Lower Upper
105 100
120 26.4 23.8 35.8
91 16.4 10.9 16.3
77 18.0 11.8 17.6#

Manual Integrations
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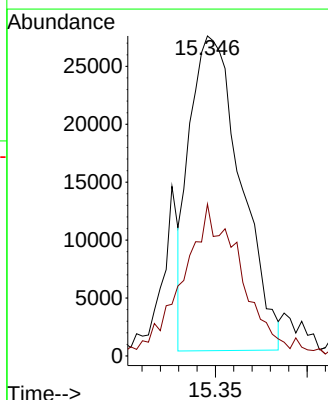
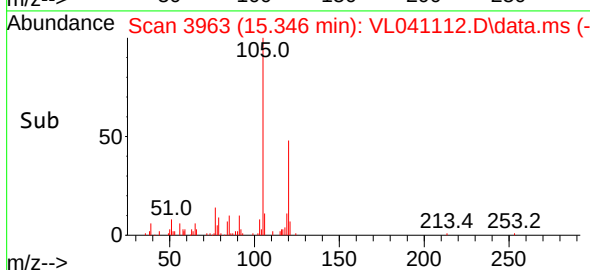
Reviewed By :Semsettin Yesilyurt 03/18/2024
Supervised By :Mahesh Dadoda 03/18/2024

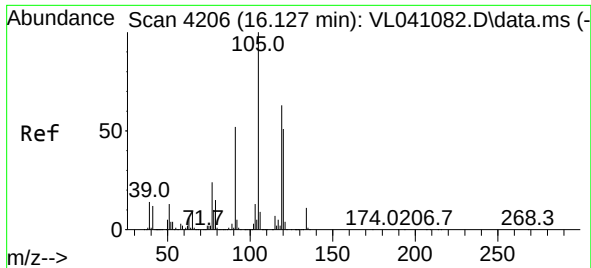


#73
1,3,5-Trimethylbenzene
Concen: 0.175 ppbv
RT: 15.346 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VL041112.D
Acq: 14 Mar 2024 18:22



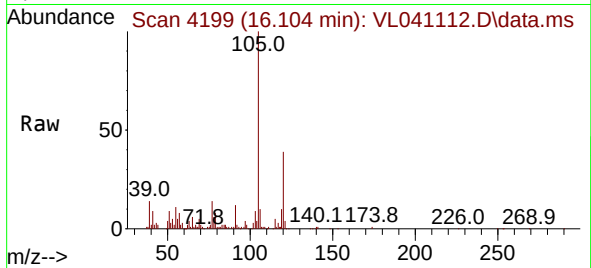
Tgt Ion:105 Resp: 52873
Ion Ratio Lower Upper
105 100
120 55.0 38.7 58.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.763 ppbv m
 RT: 16.104 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL041112.D
 Acq: 14 Mar 2024 18:22

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-01



Tgt Ion:	105	Resp:	26367
Ion Ratio	Lower	Upper	
105	100		
120	38.7	40.4	60.6
91	11.8	41.4	62.0
77	14.3	19.0	28.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2024
 Supervised By :Mahesh Dadoda 03/18/2024

