

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040499.D
 Acq On : 23 Jun 2023 8:54
 Operator : SY/MD
 Sample : 03397-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2023
 Supervised By :Mahesh Dadoda 06/27/2023

Quant Time: Jun 26 02:14:16 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

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

QLast Update : Tue Jun 06 06:22:12 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1112237	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2839606	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2461641	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2024177	9.963	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	31206	0.129	ppbv	95
9) Propene	2.693	41	19482	0.347	ppbv	98
10) Heptane	7.574	43	27169	0.214	ppbv	94
11) Trichlorofluoromethane	3.558	101	246756	1.252	ppbv	98
13) Ethanol	3.240	45	104695	9.000	ppbv	89
15) Acetone	3.468	43	450035m	3.355	ppbv	
19) Isopropyl Alcohol	3.581	45	19572m	0.303	ppbv	
20) Methylene Chloride	3.931	84	83896	1.465	ppbv	97
26) Hexane	5.208	57	127935	1.111	ppbv #	43
27) Carbon Disulfide	4.121	76	77528	0.539	ppbv #	75
30) Cyclohexane	6.600	84	14900m	0.161	ppbv	
32) 1,1,1-Trichloroethane	5.995	97	57990	0.300	ppbv	97
34) 2-Butanone	4.793	43	46619	0.340	ppbv	95
36) Benzene	6.365	78	93253	0.413	ppbv #	94
44) 2,2,4-Trimethylpentane	7.323	57	55530	0.150	ppbv #	73
52) Tetrachloroethene	10.606	164	17180m	0.242	ppbv	
53) Toluene	9.217	91	366318	1.540	ppbv	100
58) Ethyl Benzene	12.085	91	112734	0.378	ppbv	93
59) m/p-Xylene	12.342	91	442706m	1.615	ppbv	
60) o-Xylene	13.056	91	145365	0.559	ppbv	99
72) 4-Ethyltoluene	15.191	105	36489m	0.125	ppbv	
74) 1,2,4-Trimethylbenzene	16.101	105	115728	0.380	ppbv #	67

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

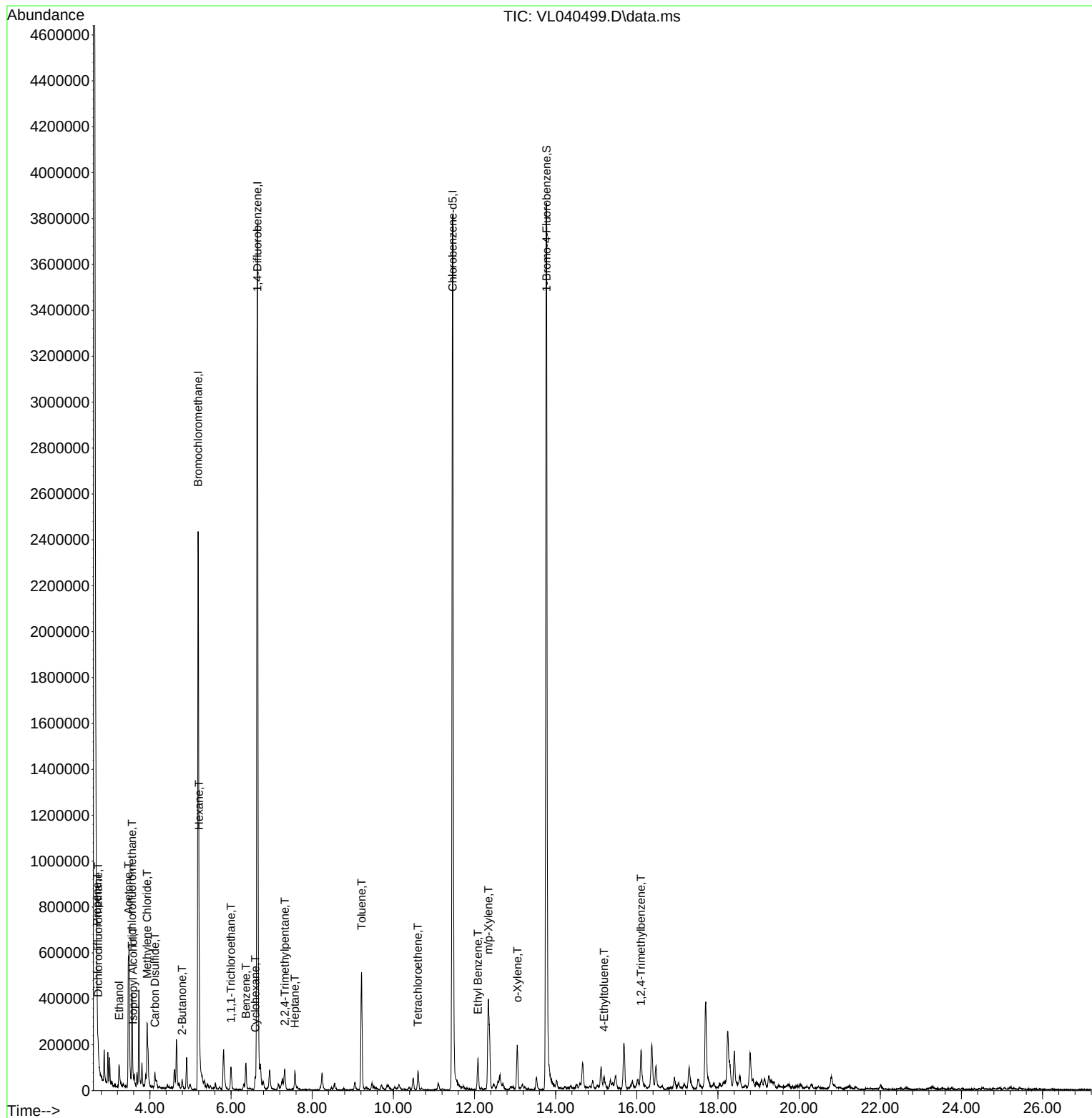
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
Data File : VL040499.D
Acq On : 23 Jun 2023 8:54
Operator : SY/MD
Sample : 03397-02DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

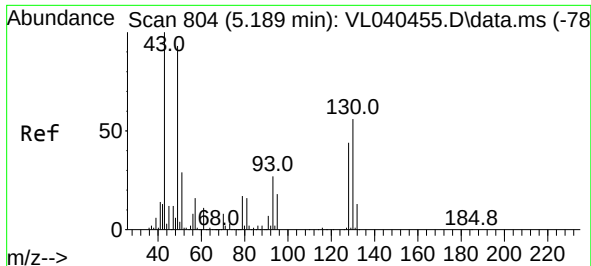
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Quant Time: Jun 26 02:14:16 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

Manual Integrations
APPROVED

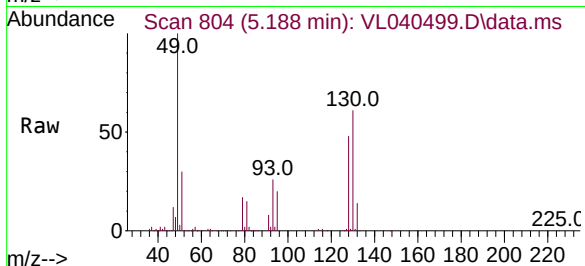
Reviewed By : Semsettin Yesilyurt 06/26/2023
Supervised By : Mahesh Dadoda 06/27/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 804
Delta R.T. -0.001 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

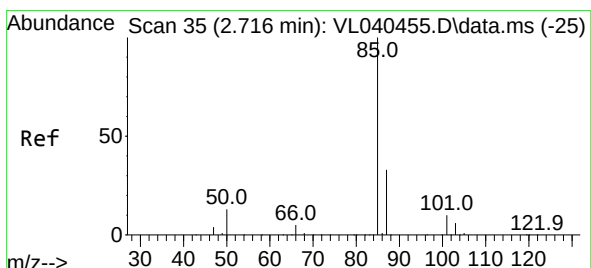
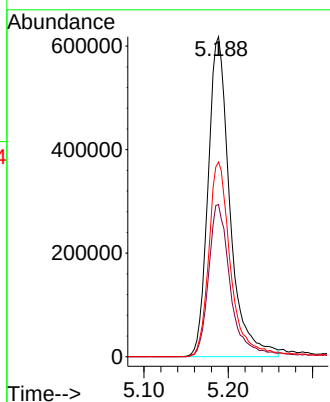
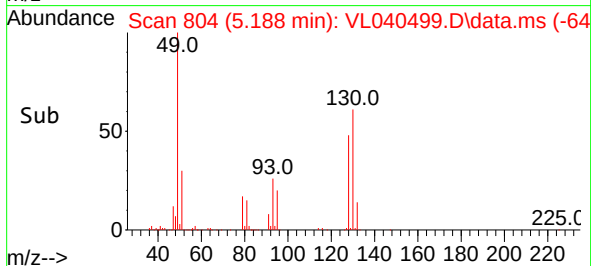
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



Tgt Ion: 49 Resp: 111223
Ion Ratio Lower Upper
49 100
128 48.9 24.7 74.1
130 62.9 31.4 94.2

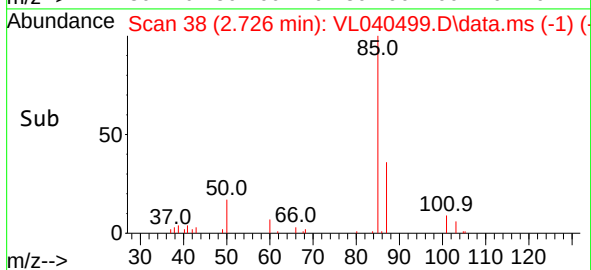
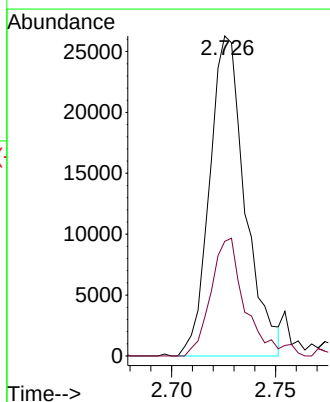
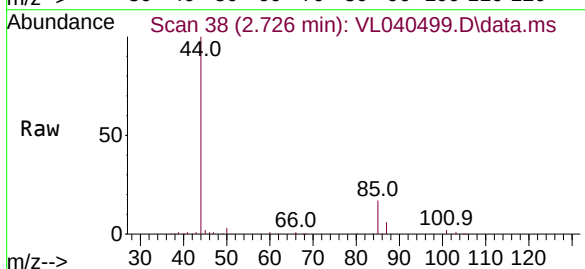
Manual Integrations
APPROVED

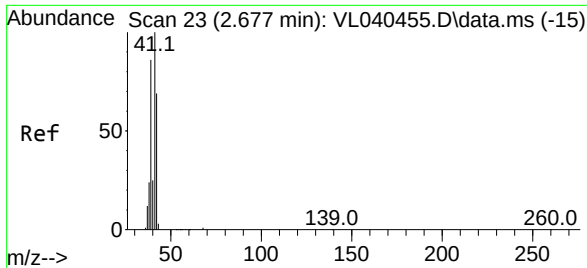
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#2
Dichlorodifluoromethane
Concen: 0.129 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Tgt Ion: 85 Resp: 31206
Ion Ratio Lower Upper
85 100
87 35.8 26.6 39.8





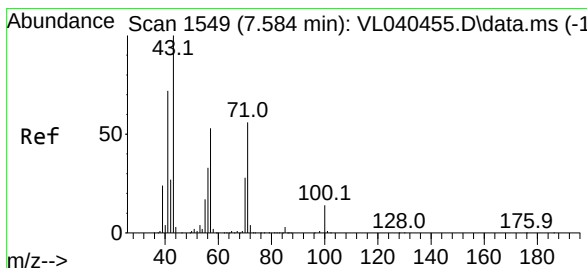
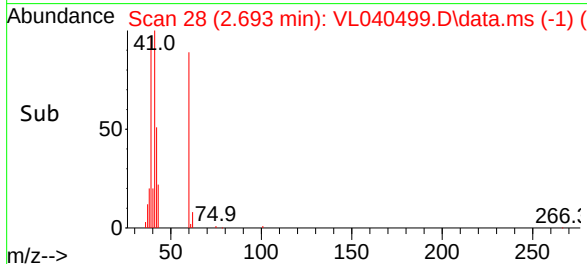
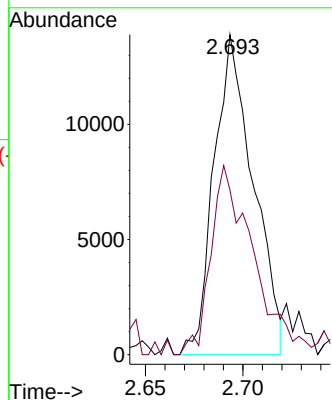
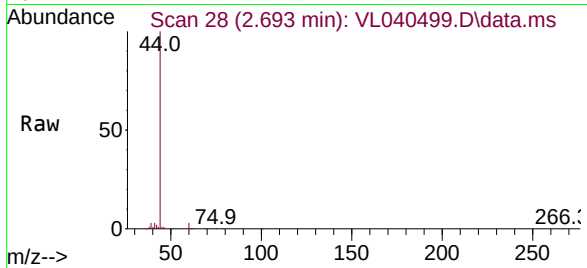
#9
 Propene
 Concen: 0.347 ppbv
 RT: 2.693 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VL040499.D
 Acq: 23 Jun 2023 8:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Tgt Ion: 41 Resp: 1948
 Ion Ratio Lower Upper
 41 100
 42 68.2 56.2 84.2

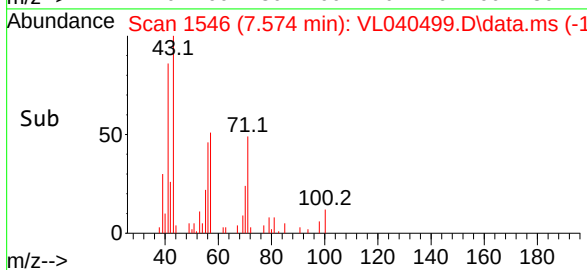
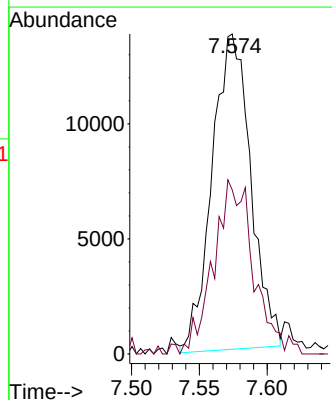
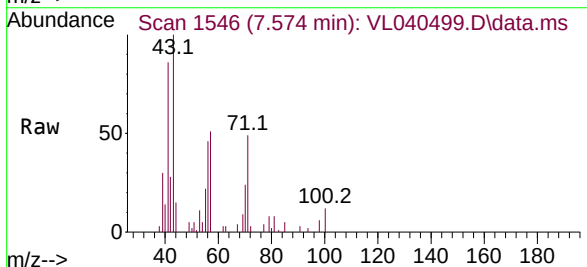
Manual Integrations
 APPROVED

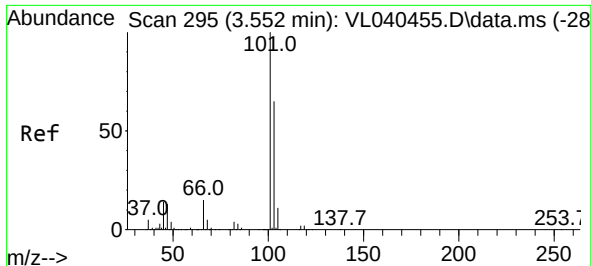
Reviewed By :Semsettin Yesilyurt 06/26/2023
 Supervised By :Mahesh Dadoda 06/27/2023



#10
 Heptane
 Concen: 0.214 ppbv
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.010 min
 Lab File: VL040499.D
 Acq: 23 Jun 2023 8:54

Tgt Ion: 43 Resp: 27169
 Ion Ratio Lower Upper
 43 100
 57 57.7 42.5 63.7





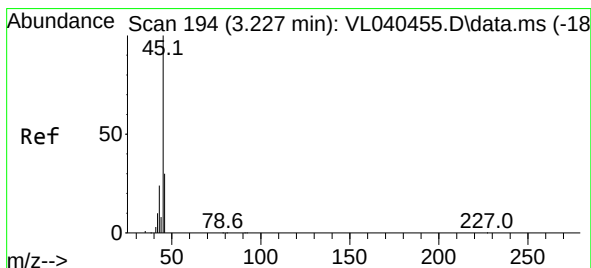
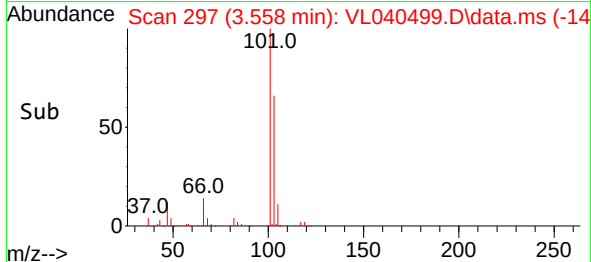
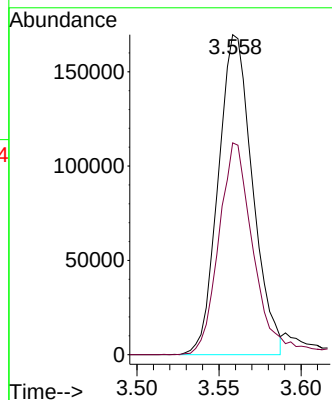
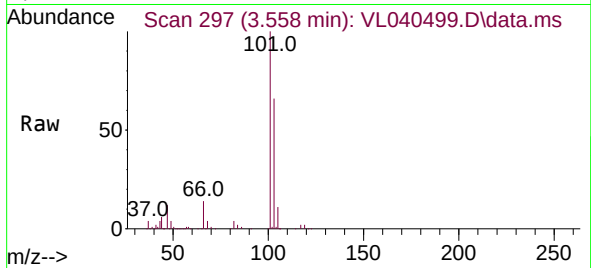
#11
Trichlorofluoromethane
Concen: 1.252 ppbv
RT: 3.558 min Scan# 295
Delta R.T. 0.006 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion:101 Resp: 246750
Ion Ratio Lower Upper
101 100
103 66.1 51.7 77.5

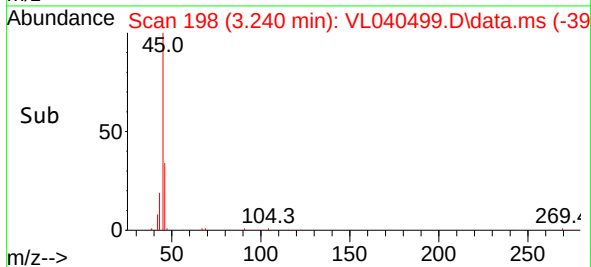
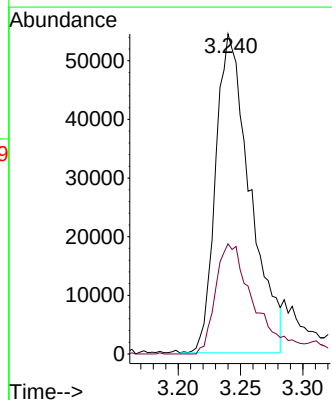
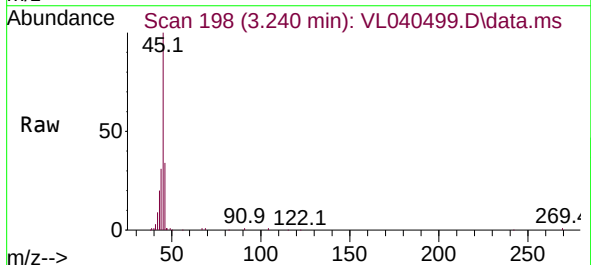
Manual Integrations
APPROVED

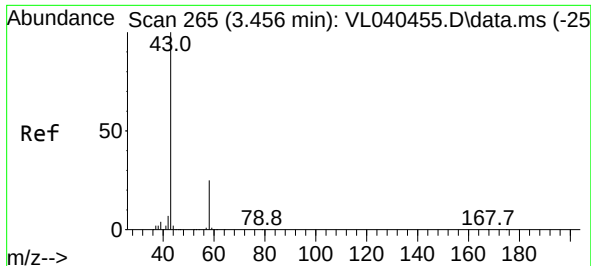
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#13
Ethanol
Concen: 9.000 ppbv
RT: 3.240 min Scan# 198
Delta R.T. 0.013 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Tgt Ion: 45 Resp: 104695
Ion Ratio Lower Upper
45 100
46 42.5 14.5 58.1





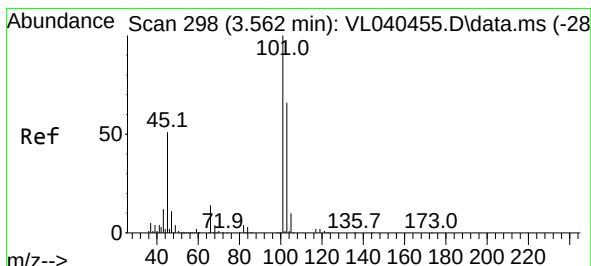
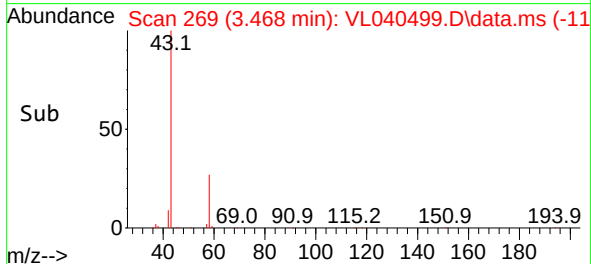
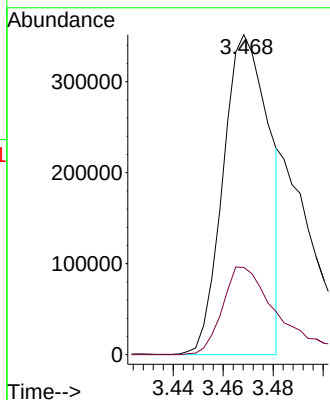
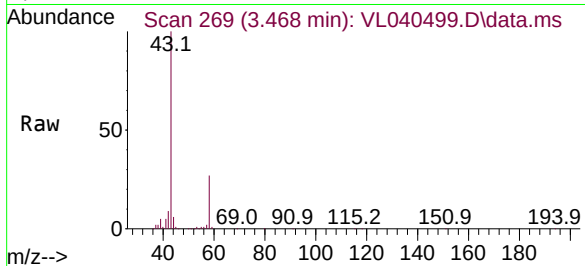
#15
Acetone
Concen: 3.355 ppbv m
RT: 3.468 min Scan# 204
Delta R.T. 0.013 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion: 43 Resp: 450035
Ion Ratio Lower Upper
43 100
58 36.7 21.6 32.4

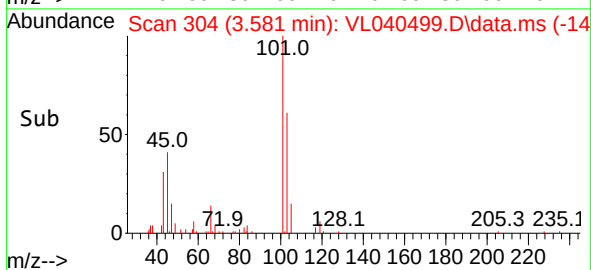
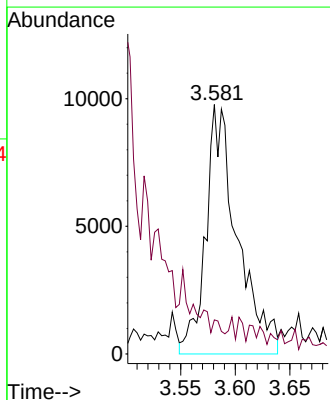
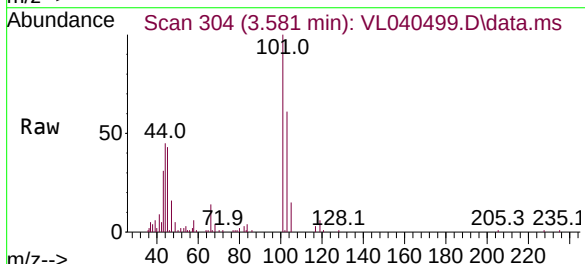
Manual Integrations
APPROVED

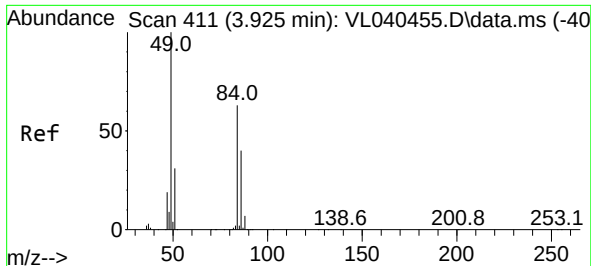
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#19
Isopropyl Alcohol
Concen: 0.303 ppbv m
RT: 3.581 min Scan# 304
Delta R.T. 0.019 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

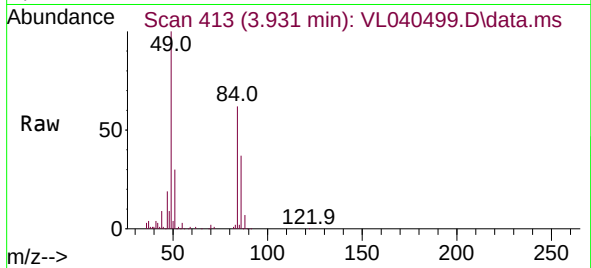
Tgt Ion: 45 Resp: 19572
Ion Ratio Lower Upper
45 100
58 0.0 2.6 4.0





#20
Methylene Chloride
Concen: 1.465 ppbv
RT: 3.931 min Scan# 411
Delta R.T. 0.006 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

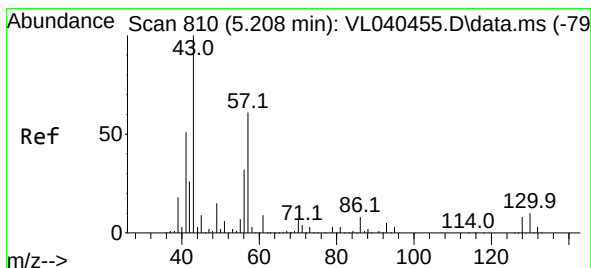
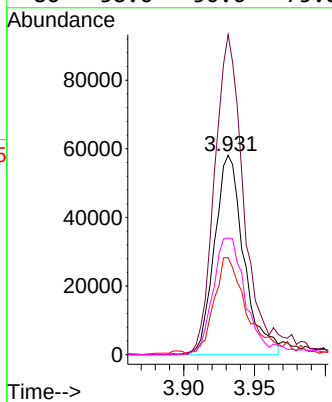
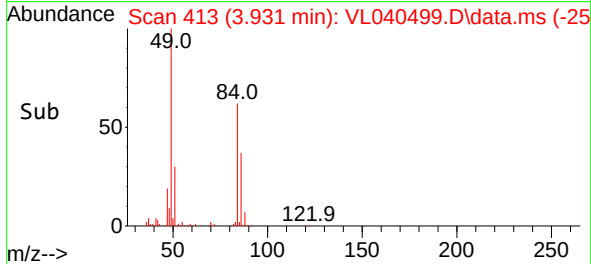
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



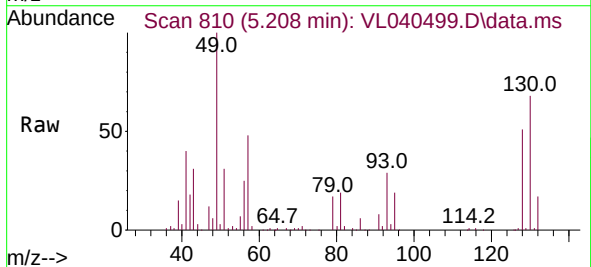
Tgt Ion: 84 Resp: 83890
Ion Ratio Lower Upper
84 100
49 160.2 126.2 189.2
51 46.9 38.7 58.1
86 58.6 50.6 75.8

Manual Integrations
APPROVED

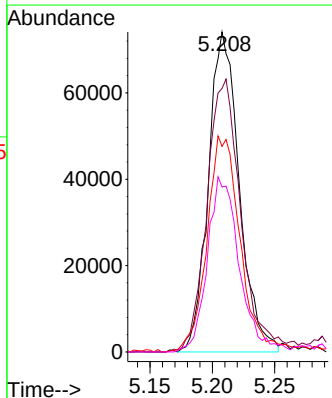
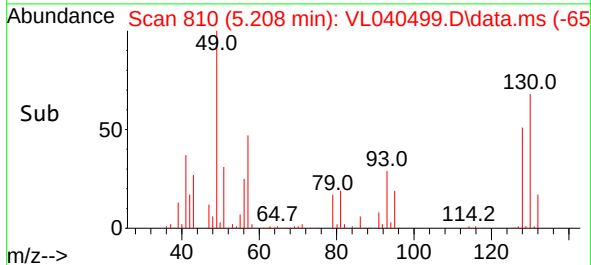
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023

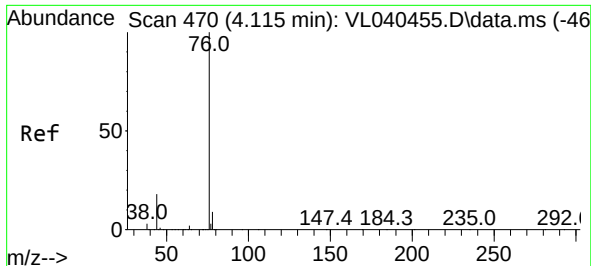


#26
Hexane
Concen: 1.111 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.000 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54



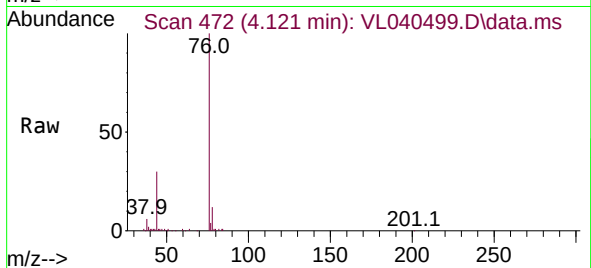
Tgt Ion: 57 Resp: 127935
Ion Ratio Lower Upper
57 100
41 94.8 73.0 109.6
43 74.9 177.5 266.3#
56 59.2 43.6 65.4





#27
Carbon Disulfide
Concen: 0.539 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

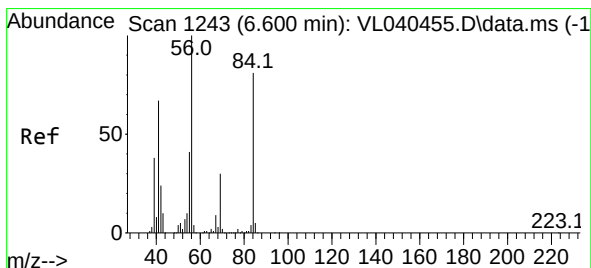
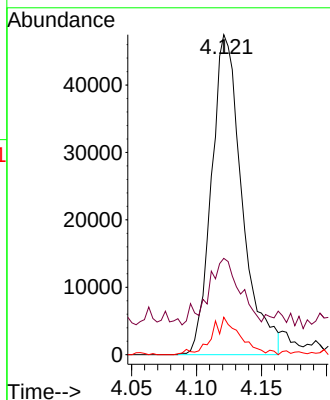
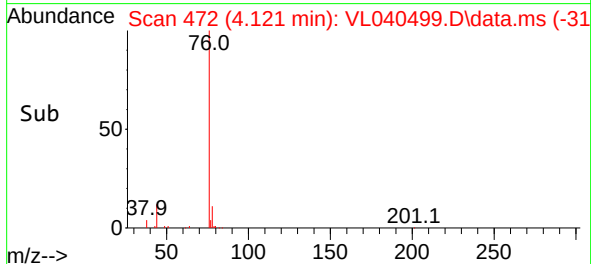
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



Tgt Ion: 76 Resp: 77528
Ion Ratio Lower Upper
76 100
44 34.0 14.6 22.0
78 11.0 7.6 11.4

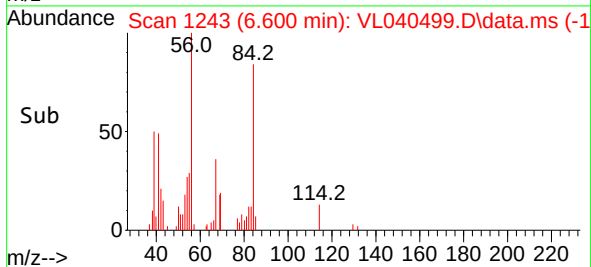
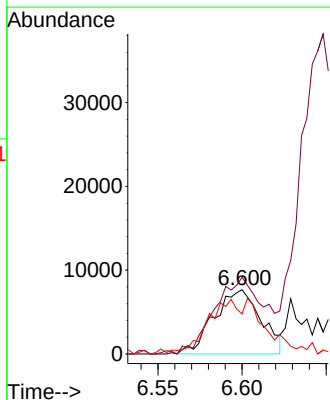
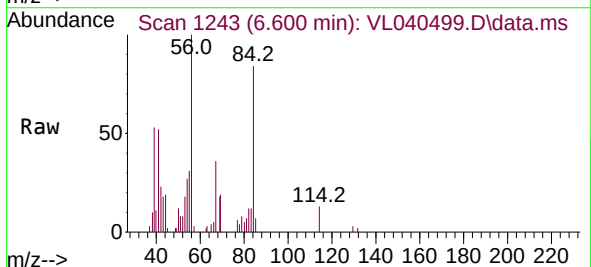
Manual Integrations
APPROVED

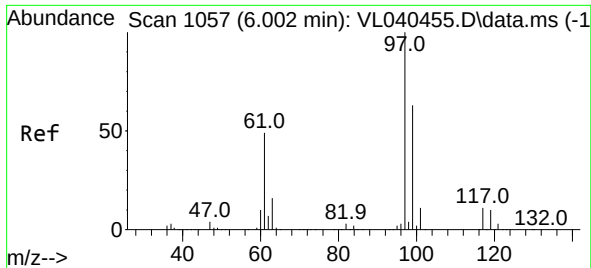
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#30
Cyclohexane
Concen: 0.161 ppbv m
RT: 6.600 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

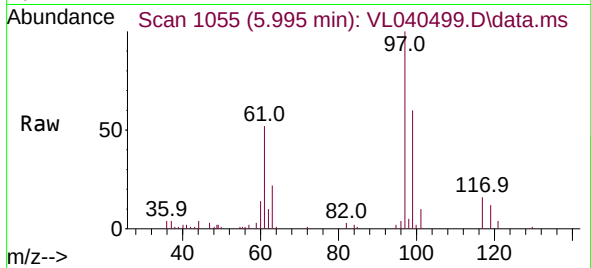
Tgt Ion: 84 Resp: 14900
Ion Ratio Lower Upper
84 100
56 125.7 106.0 159.0
41 106.4 66.8 100.2#





#32
1,1,1-Trichloroethane
Concen: 0.300 ppbv
RT: 5.995 min Scan# 1055
Delta R.T. -0.007 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

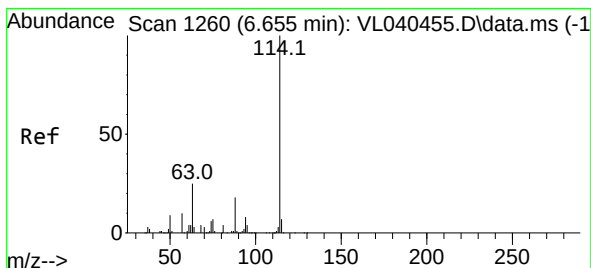
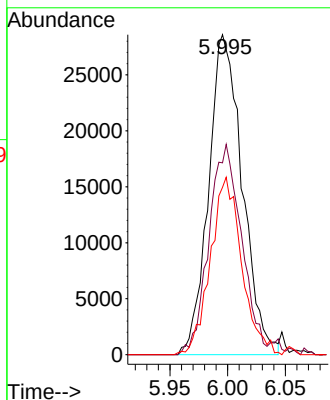
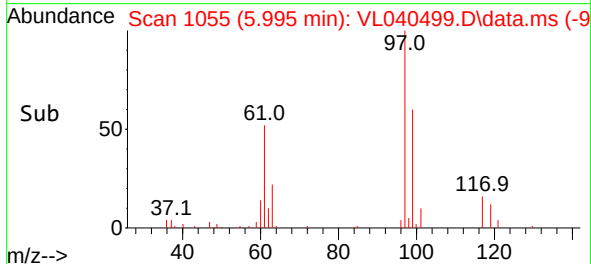
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



Tgt Ion: 97 Resp: 57990
Ion Ratio Lower Upper
97 100
99 65.9 51.5 77.3
61 52.3 39.7 59.5

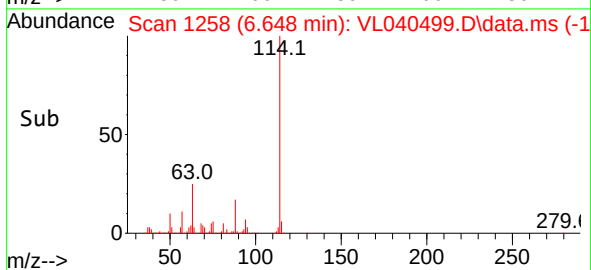
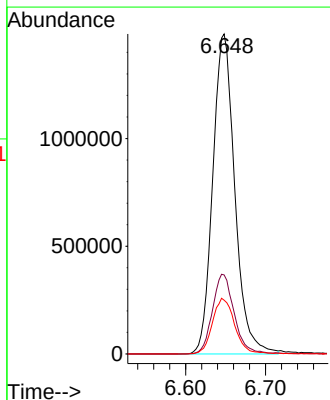
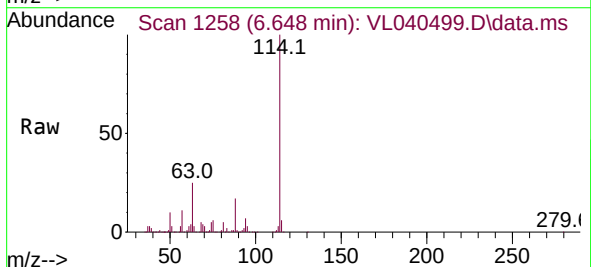
Manual Integrations
APPROVED

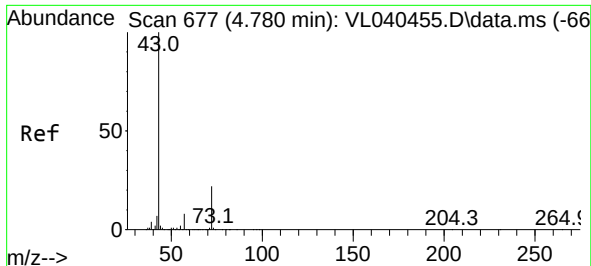
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.007 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Tgt Ion:114 Resp: 2839606
Ion Ratio Lower Upper
114 100
63 24.9 21.0 31.6
88 17.7 14.5 21.7





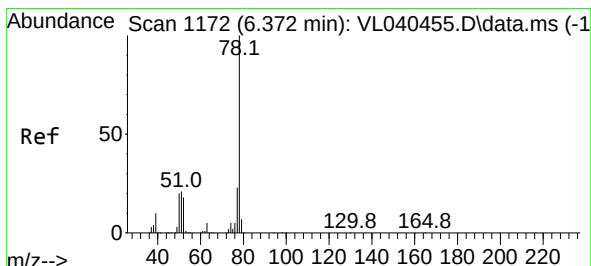
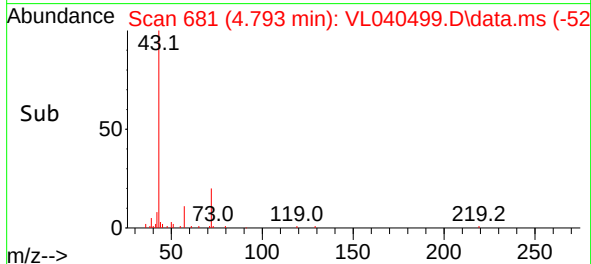
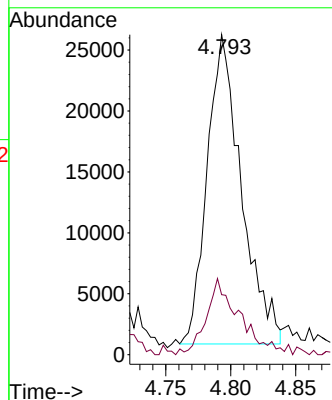
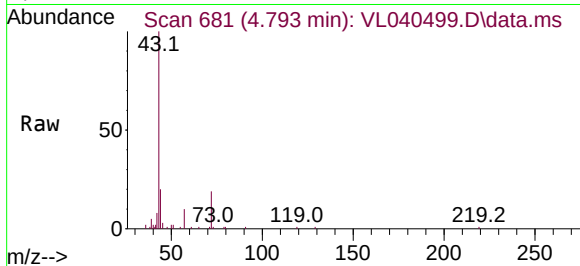
#34
2-Butanone
Concen: 0.340 ppbv
RT: 4.793 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion: 43 Resp: 46619
Ion Ratio Lower Upper
43 100
72 25.1 18.1 27.1

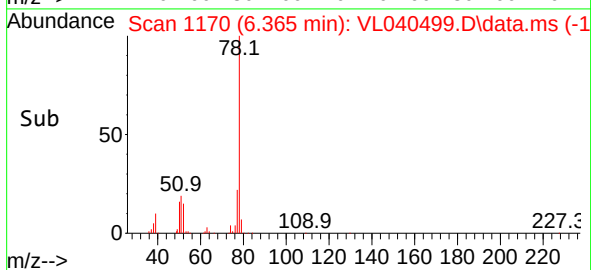
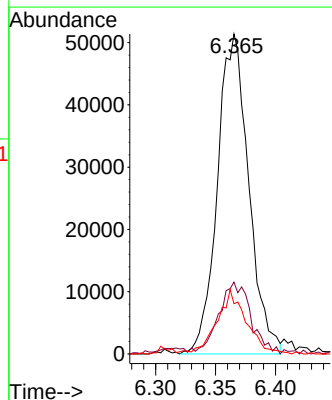
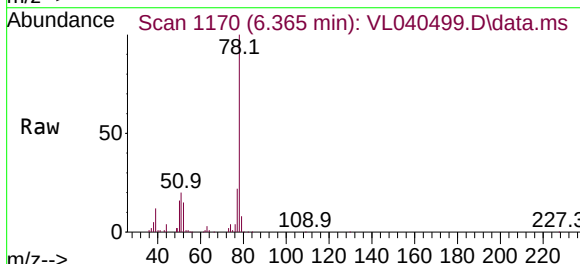
Manual Integrations
APPROVED

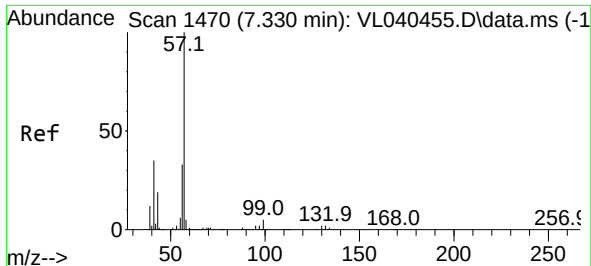
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#36
Benzene
Concen: 0.413 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. -0.007 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

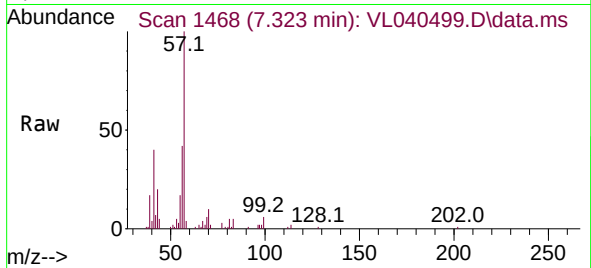
Tgt Ion: 78 Resp: 93253
Ion Ratio Lower Upper
78 100
77 22.5 18.5 27.7
50 15.0 16.1 24.1#





#44
2,2,4-Trimethylpentane
Concen: 0.150 ppbv
RT: 7.323 min Scan# 1470
Delta R.T. -0.007 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

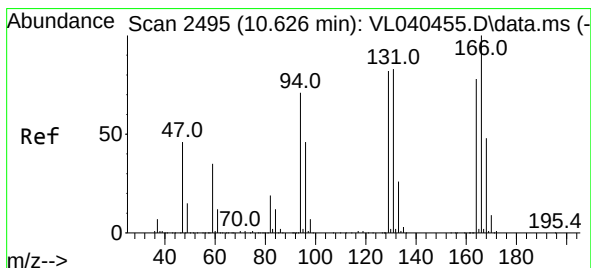
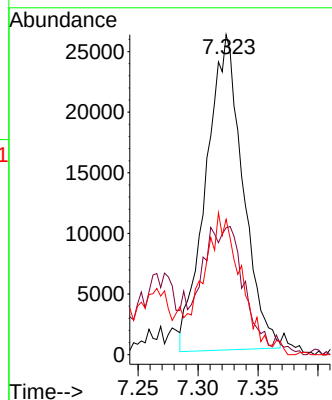
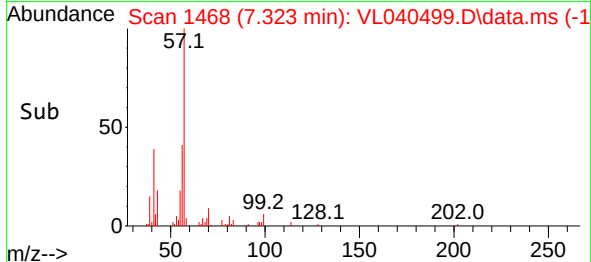
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



Tgt Ion: 57 Resp: 55530
Ion Ratio Lower Upper
57 100
41 51.7 27.8 41.8
56 44.9 25.3 37.9

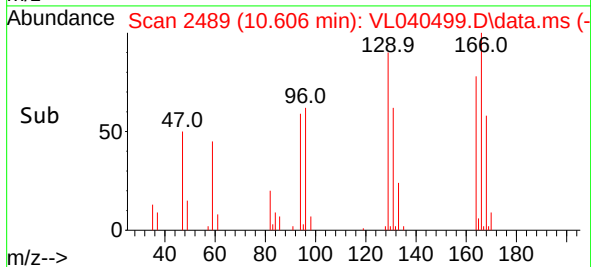
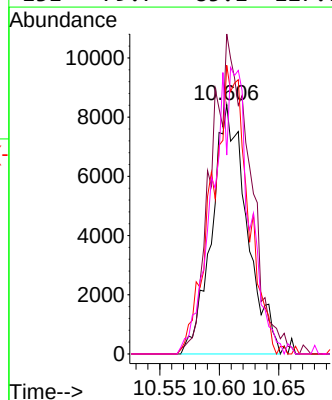
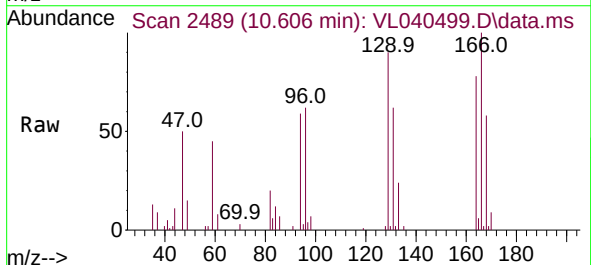
Manual Integrations
APPROVED

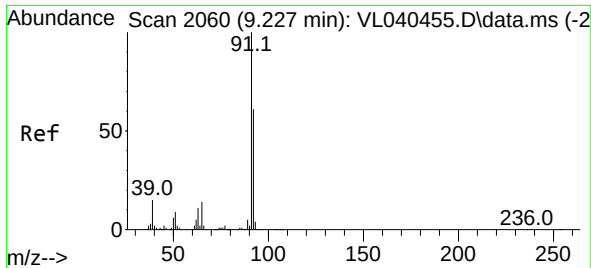
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#52
Tetrachloroethene
Concen: 0.242 ppbv m
RT: 10.606 min Scan# 2489
Delta R.T. -0.019 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

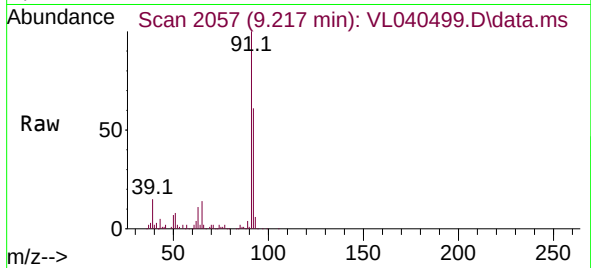
Tgt Ion:164 Resp: 17180
Ion Ratio Lower Upper
164 100
166 128.3 102.7 154.1
129 115.8 84.6 126.8
131 79.7 85.1 127.7#





#53
Toluene
Concen: 1.540 ppbv
RT: 9.217 min Scan# 2060
Delta R.T. -0.010 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

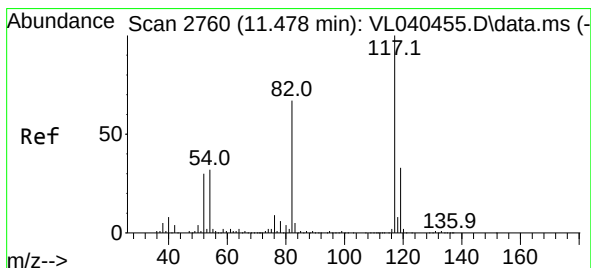
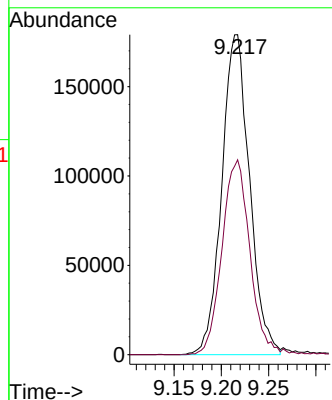
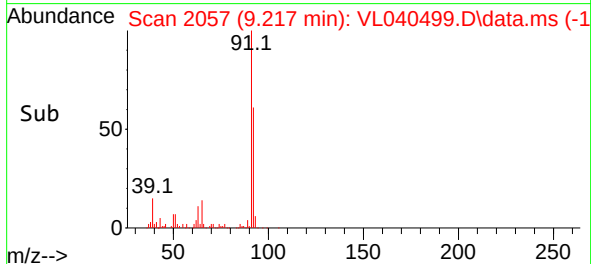
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



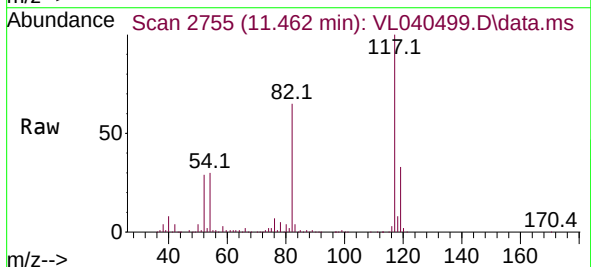
Tgt Ion: 91 Resp: 366318
Ion Ratio Lower Upper
91 100
92 61.3 49.1 73.7

Manual Integrations
APPROVED

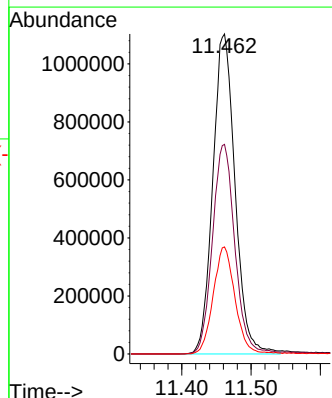
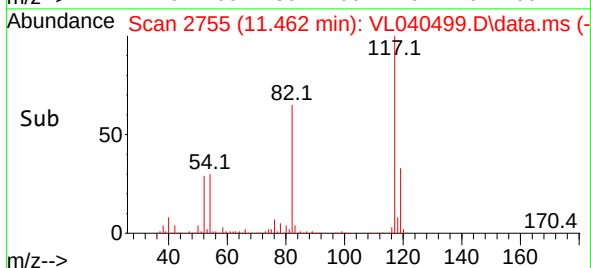
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023

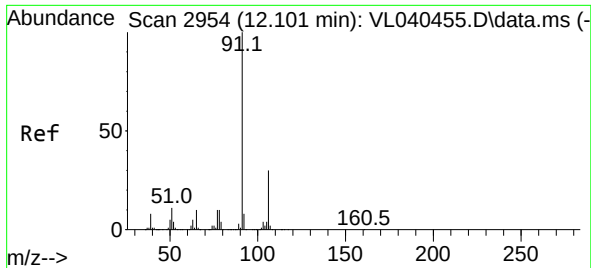


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.016 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54



Tgt Ion:117 Resp: 2461641
Ion Ratio Lower Upper
117 100
82 66.8 53.0 79.4
119 33.1 24.4 36.6





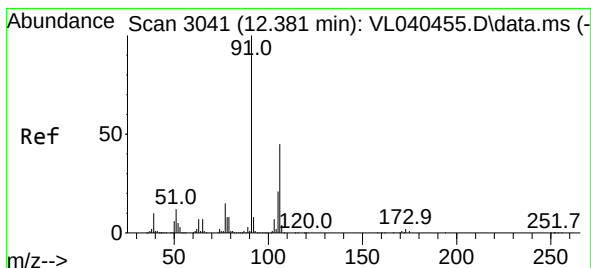
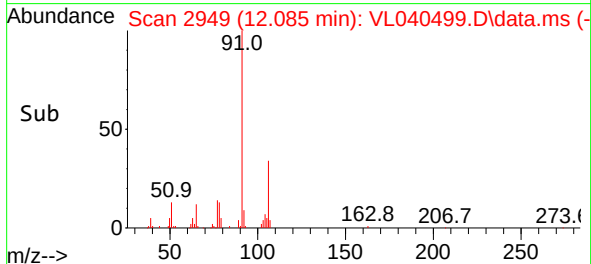
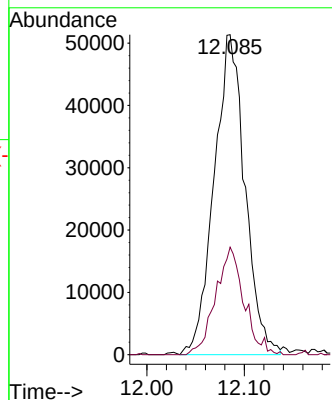
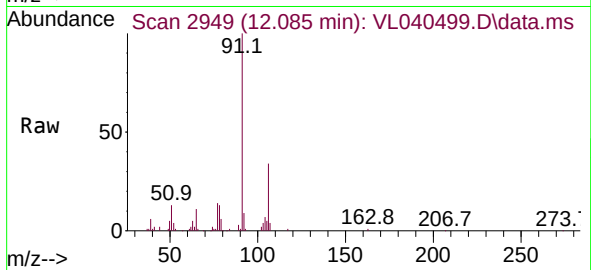
#58
Ethyl Benzene
Concen: 0.378 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. -0.016 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion: 91 Resp: 112734
Ion Ratio Lower Upper
91 100
106 33.6 23.7 35.5

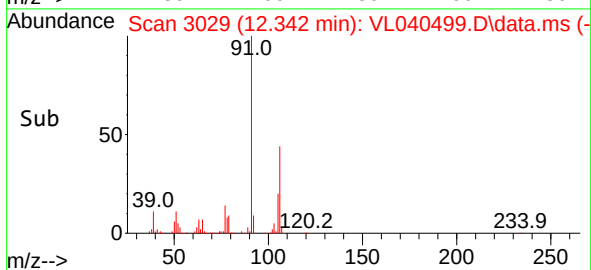
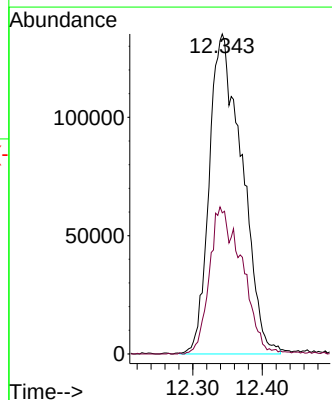
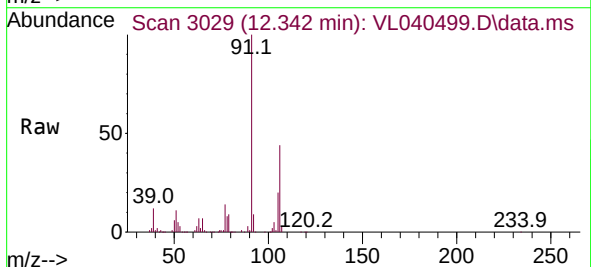
Manual Integrations
APPROVED

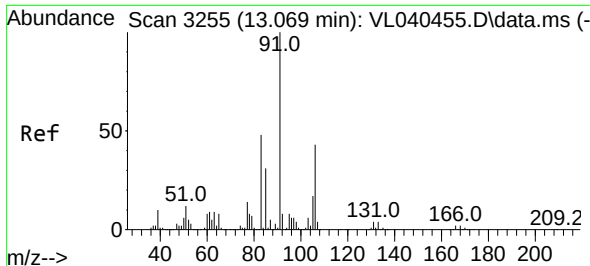
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#59
m/p-Xylene
Concen: 1.615 ppbv m
RT: 12.342 min Scan# 3029
Delta R.T. -0.039 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Tgt Ion: 91 Resp: 442706
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0#





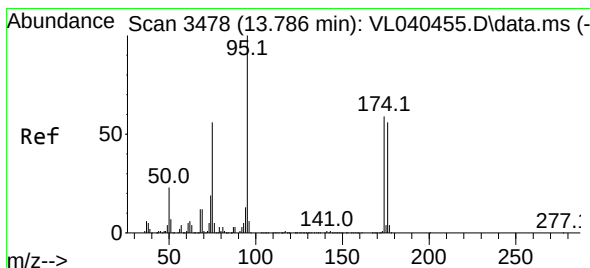
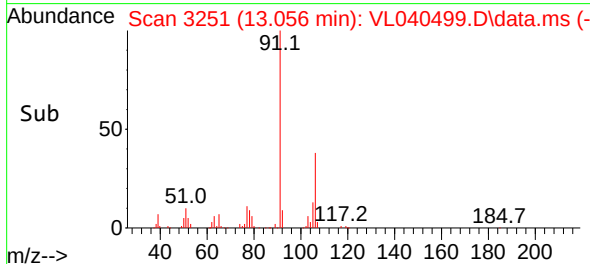
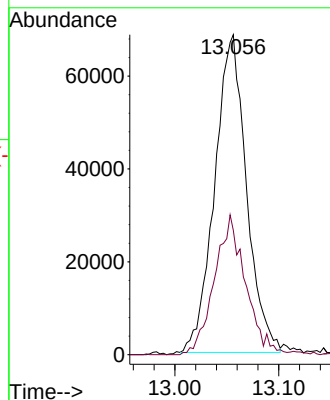
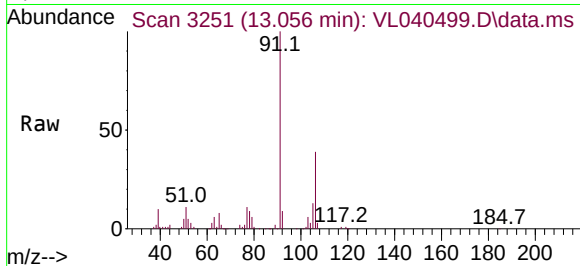
#60
o-Xylene
Concen: 0.559 ppbv
RT: 13.056 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion: 91 Resp: 14536
Ion Ratio Lower Upper
91 100
106 43.6 22.1 66.1

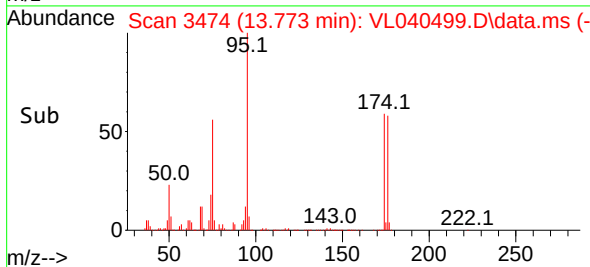
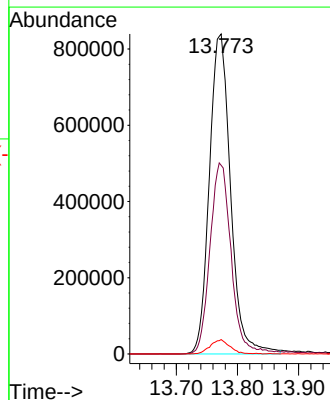
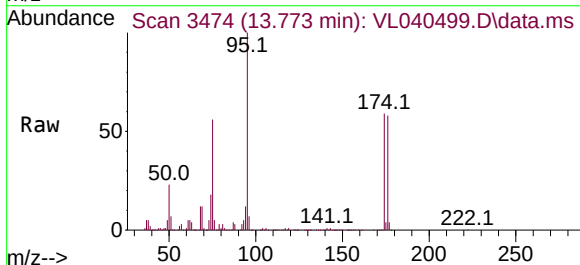
Manual Integrations
APPROVED

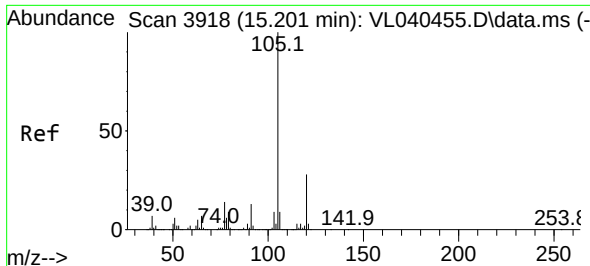
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.963 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. -0.013 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Tgt Ion: 95 Resp: 2024177
Ion Ratio Lower Upper
95 100
174 60.1 47.7 71.5
175 4.3 3.5 5.3





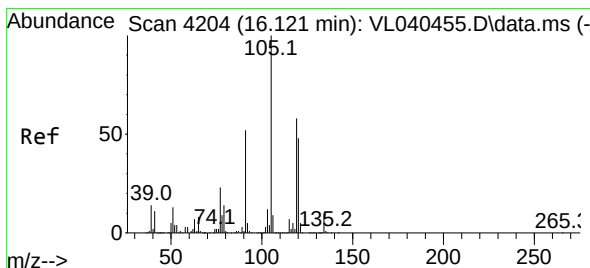
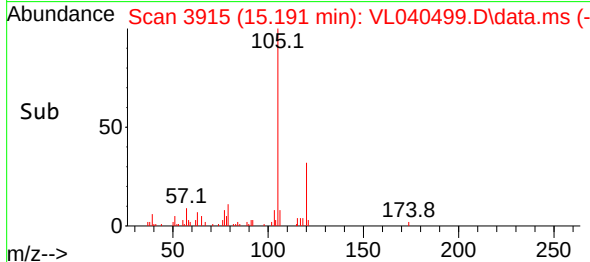
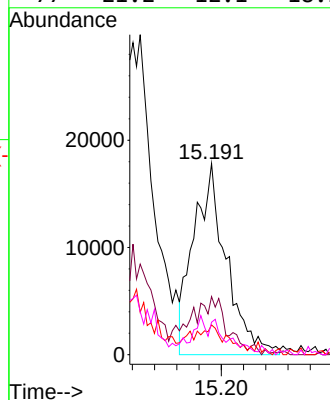
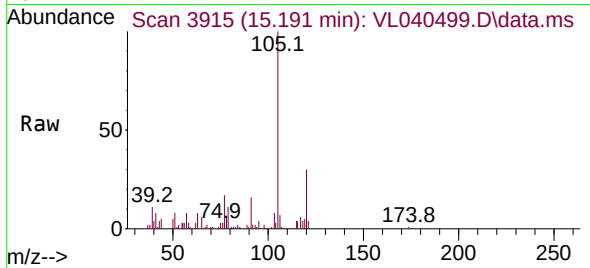
#72
4-Ethyltoluene
Concen: 0.125 ppbv m
RT: 15.191 min Scan# 3918
Delta R.T. -0.010 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion:105	Resp:	36489
Ion Ratio	Lower	Upper
105	100	
120	0.0	23.4
91	0.0	11.1
77	21.2	12.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.380 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. -0.019 min
Lab File: VL040499.D
Acq: 23 Jun 2023 8:54

Tgt Ion:105	Resp:	115728
Ion Ratio	Lower	Upper
105	100	
120	37.2	38.4
91	13.0	41.3
77	14.9	18.6

