

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040478.D
 Acq On : 15 Jun 2023 22:23
 Operator : SY/MD
 Sample : 03250-05 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-06

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 05:41:51 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	5.198	49	1103289	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2920636	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2641072	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	2118815	9.720	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	26119	0.109	ppbv	93
9) Propene	2.697	41	124372	2.232	ppbv	94
13) Ethanol	3.243	45	97302	8.432	ppbv	86
15) Acetone	3.469	43	1666706	12.525	ppbv #	10
17) tert-Butyl alcohol	3.883	59	976244	8.924	ppbv	100
20) Methylene Chloride	3.938	84	141658	2.494	ppbv	97
26) Hexane	5.218	57	386241	3.383	ppbv #	43
34) 2-Butanone	4.787	43	3536253	25.109	ppbv	97
44) 2,2,4-Trimethylpentane	7.337	57	126224	0.332	ppbv #	76
51) 2-Hexanone	9.565	43	452643	3.457	ppbv	94
52) Tetrachloroethene	10.623	164	16947m	0.232	ppbv	
53) Toluene	9.227	91	104717	0.428	ppbv	96
58) Ethyl Benzene	12.102	91	59964m	0.187	ppbv	
59) m/p-Xylene	12.356	91	173461	0.590	ppbv	97
60) o-Xylene	13.069	91	99168	0.356	ppbv	98
73) 1,3,5-Trimethylbenzene	15.365	105	53107	0.191	ppbv	94
74) 1,2,4-Trimethylbenzene	16.121	105	221346	0.678	ppbv #	67

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

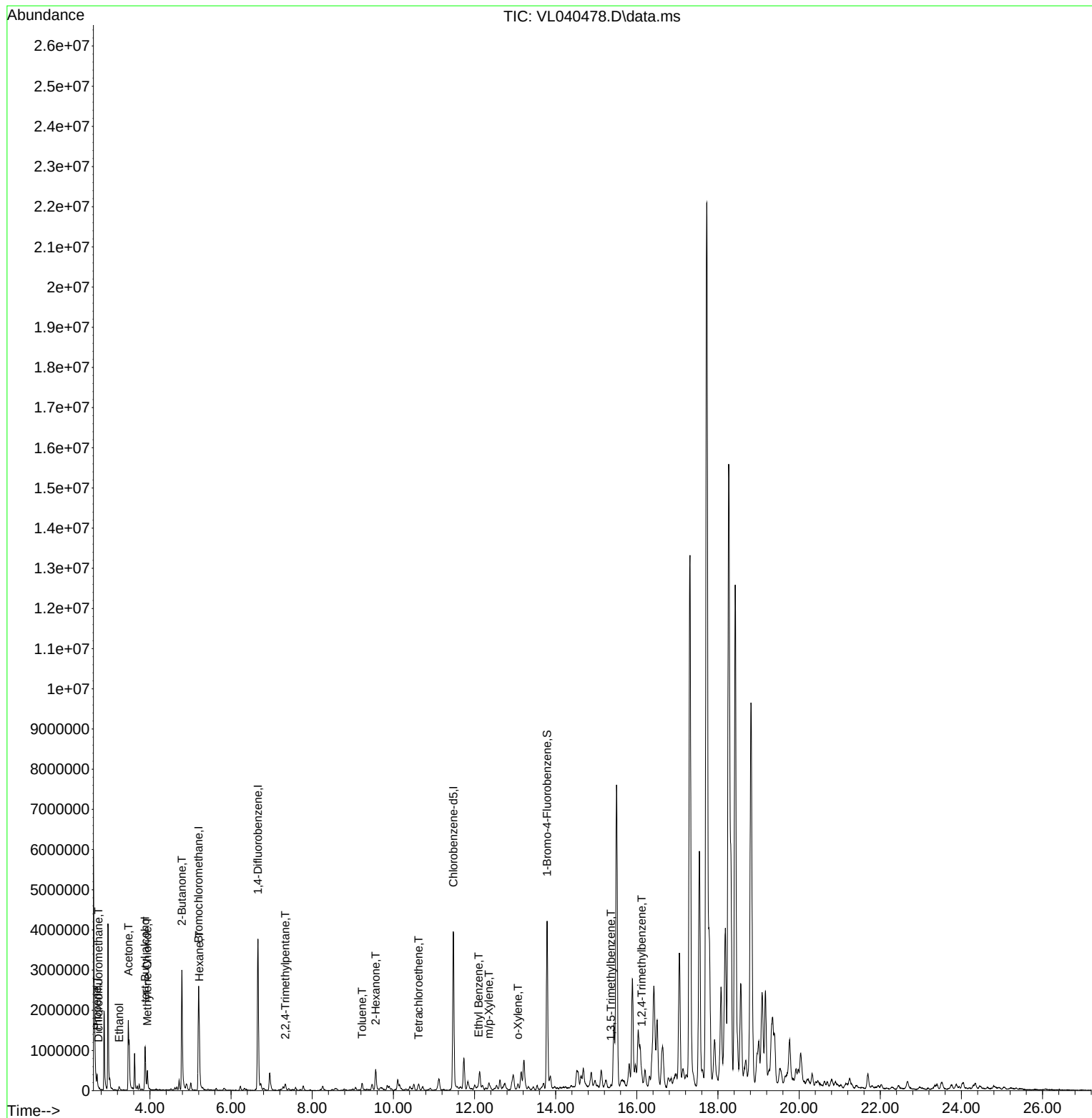
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
Data File : VL040478.D
Acq On : 15 Jun 2023 22:23
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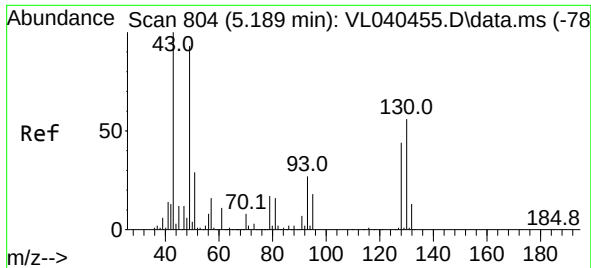
Instrument :
MSVOA_L
ClientSampleId :
SVP-06

Quant Time: Jun 16 05:41:51 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

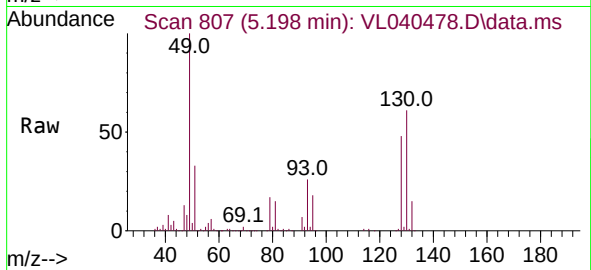
Reviewed By : Semsettin Yesilyurt 06/16/2023
Supervised By : Mahesh Dadoda 06/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

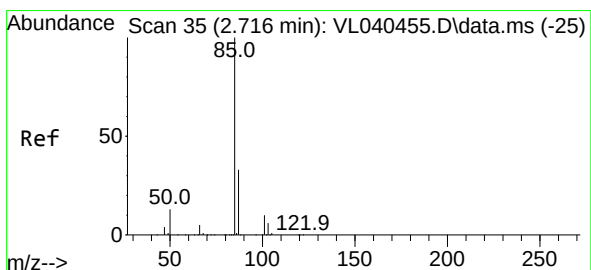
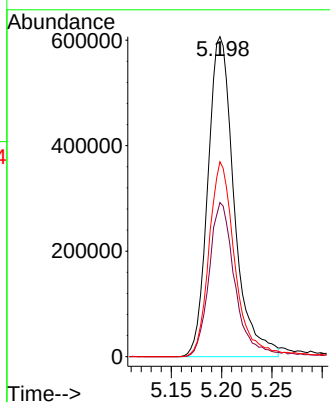
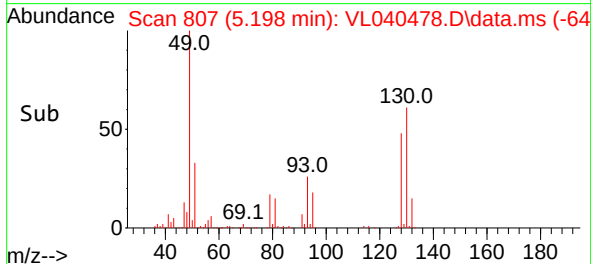
Instrument :
MSVOA_L
ClientSampleId :
SVP-06



Tgt Ion: 49 Resp: 1103289
Ion Ratio Lower Upper
49 100
128 49.0 24.7 74.1
130 61.9 31.4 94.2

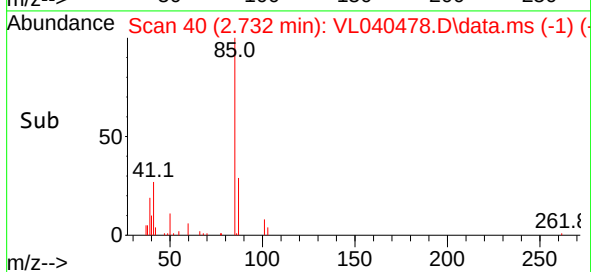
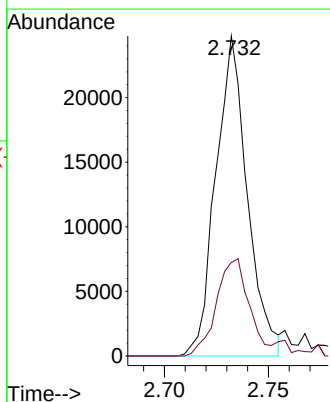
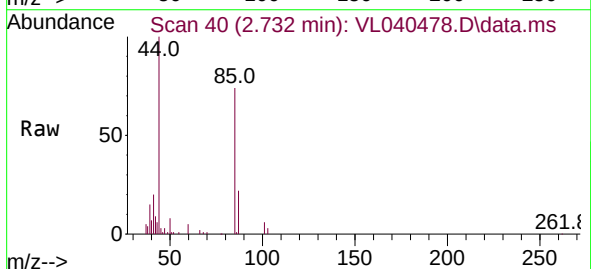
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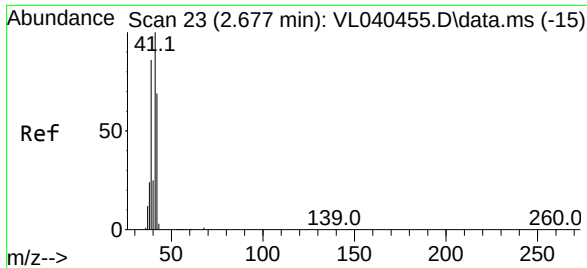
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#2
Dichlorodifluoromethane
Concen: 0.109 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.016 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

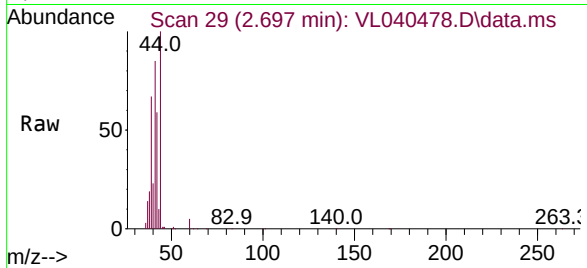
Tgt Ion: 85 Resp: 26119
Ion Ratio Lower Upper
85 100
87 29.2 26.6 39.8





#9
 Propene
 Concen: 2.232 ppbv
 RT: 2.697 min Scan# 24
 Delta R.T. 0.019 min
 Lab File: VL040478.D
 Acq: 15 Jun 2023 22:23

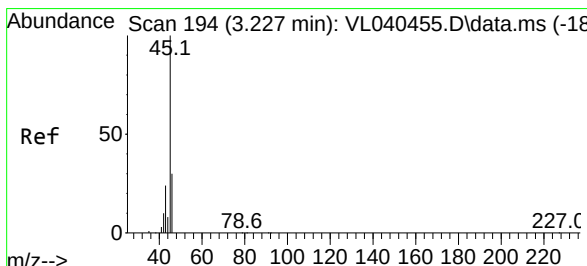
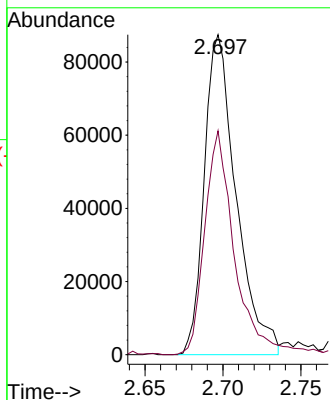
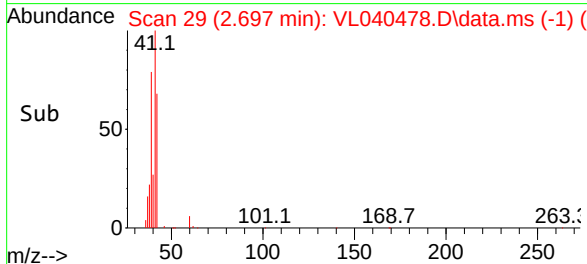
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-06



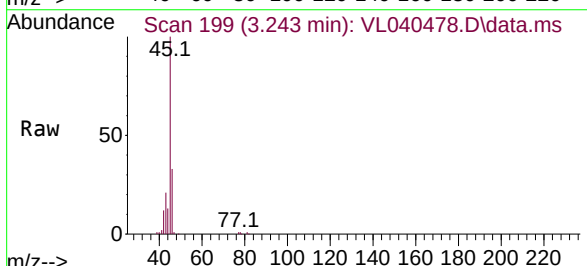
Tgt Ion: 41 Resp: 124372
 Ion Ratio Lower Upper
 41 100
 42 65.2 56.2 84.2

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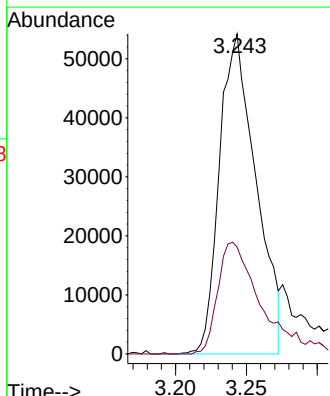
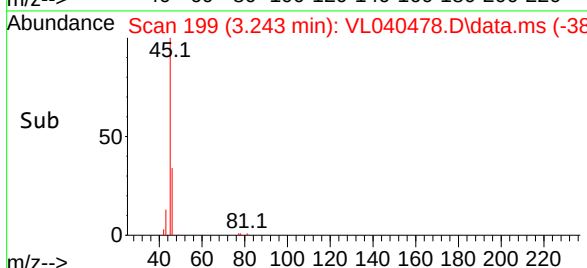
Reviewed By :Semsettin Yesilyurt 06/16/2023
 Supervised By :Mahesh Dadoda 06/16/2023

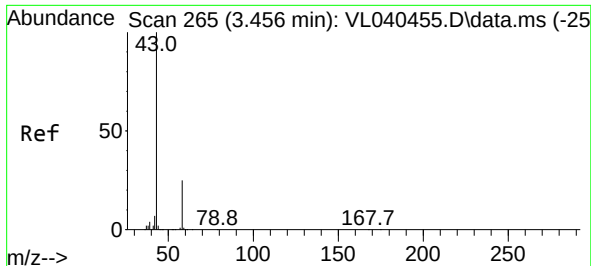


#13
 Ethanol
 Concen: 8.432 ppbv
 RT: 3.243 min Scan# 199
 Delta R.T. 0.016 min
 Lab File: VL040478.D
 Acq: 15 Jun 2023 22:23



Tgt Ion: 45 Resp: 97302
 Ion Ratio Lower Upper
 45 100
 46 44.8 14.5 58.1





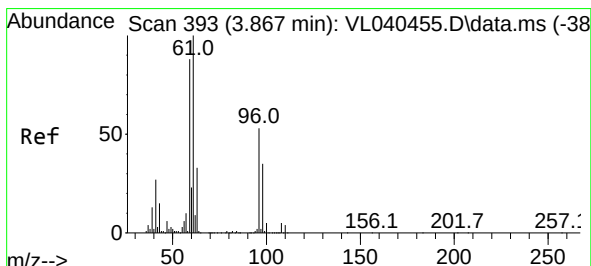
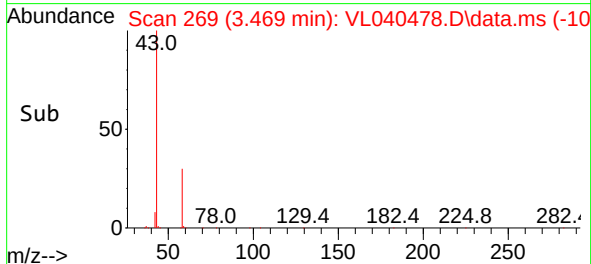
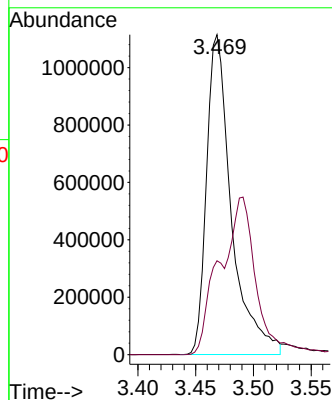
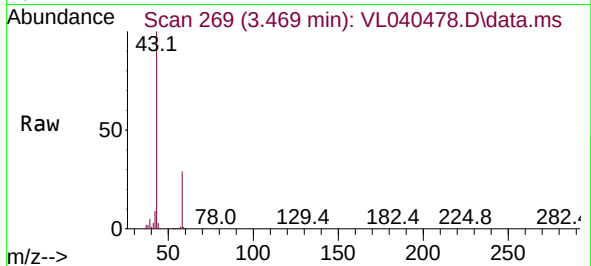
#15
Acetone
Concen: 12.525 ppbv
RT: 3.469 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

Instrument :
MSVOA_L
ClientSampleId :
SVP-06

Tgt Ion: 43 Resp: 1666700
Ion Ratio Lower Upper
43 100
58 73.6 21.6 32.4

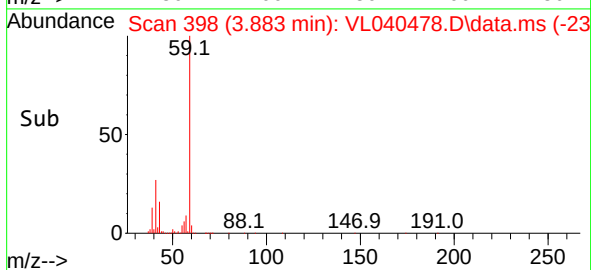
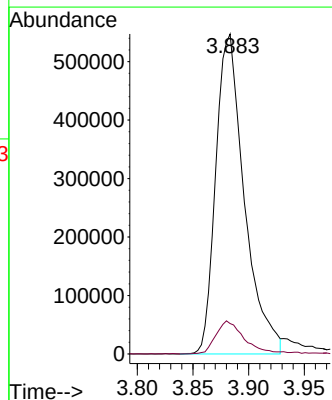
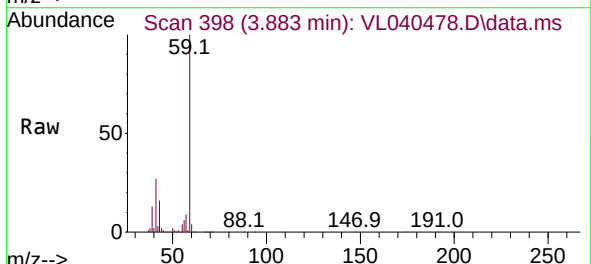
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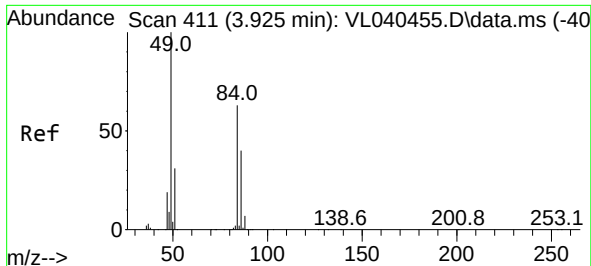
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#17
tert-Butyl alcohol
Concen: 8.924 ppbv
RT: 3.883 min Scan# 398
Delta R.T. 0.016 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

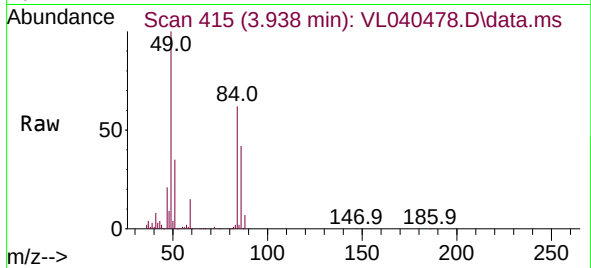
Tgt Ion: 59 Resp: 976244
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2





#20
Methylene Chloride
Concen: 2.494 ppbv
RT: 3.938 min Scan# 411
Delta R.T. 0.013 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

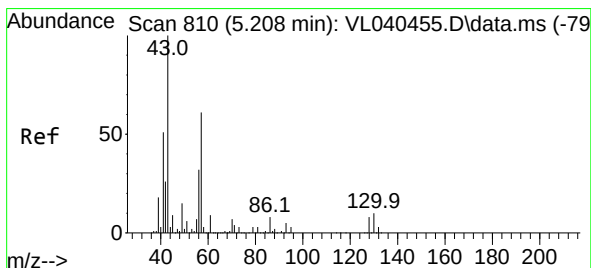
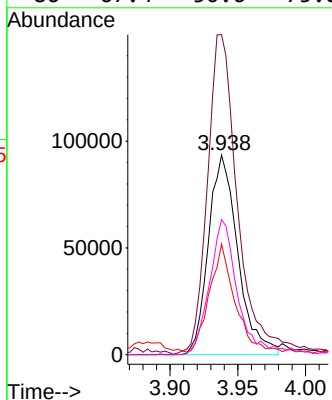
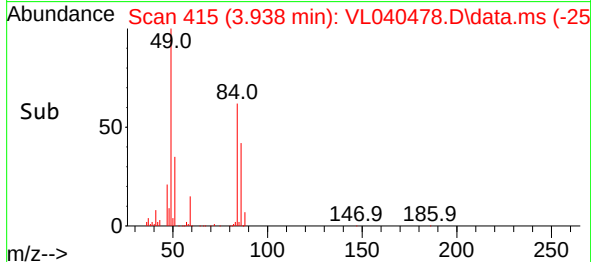
Instrument :
MSVOA_L
ClientSampleId :
SVP-06



Tgt Ion: 84 Resp: 141658
Ion Ratio Lower Upper
84 100
49 159.4 126.2 189.2
51 52.8 38.7 58.1
86 67.4 50.6 75.8

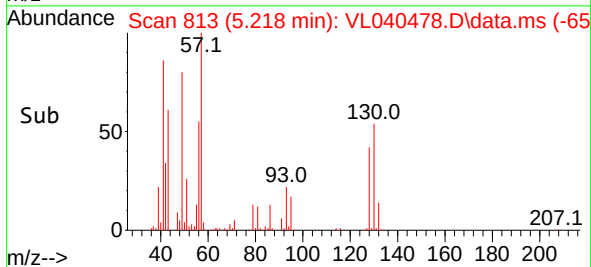
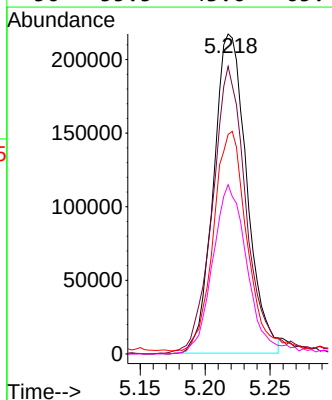
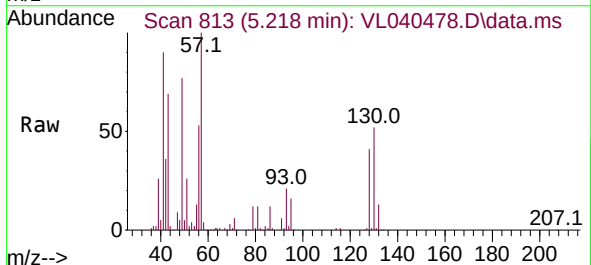
Manual Integrations
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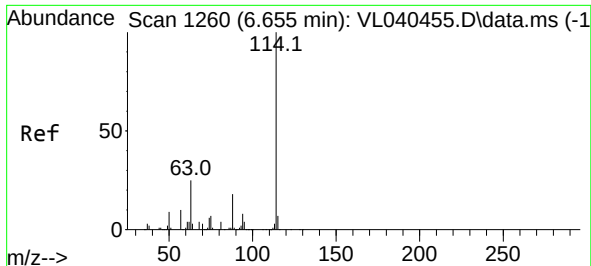
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#26
Hexane
Concen: 3.383 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.010 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

Tgt Ion: 57 Resp: 386241
Ion Ratio Lower Upper
57 100
41 95.3 73.0 109.6
43 73.1 177.5 266.3#
56 55.5 43.6 65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 1

Delta R.T. 0.007 min

Lab File: VL040478.D

Acq: 15 Jun 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

SVP-06

Tgt Ion:114 Resp: 2920630

Ion Ratio Lower Upper

114 100

63 24.5 21.0 31.6

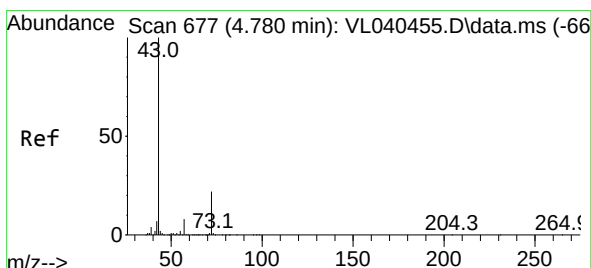
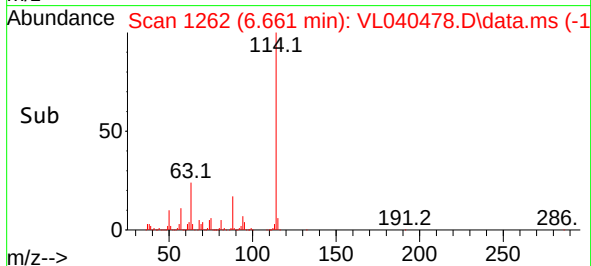
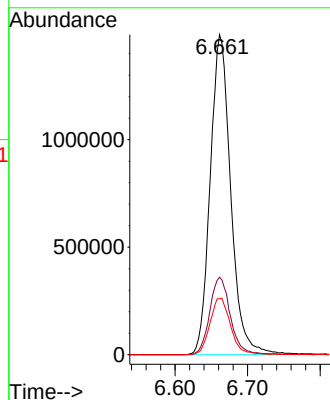
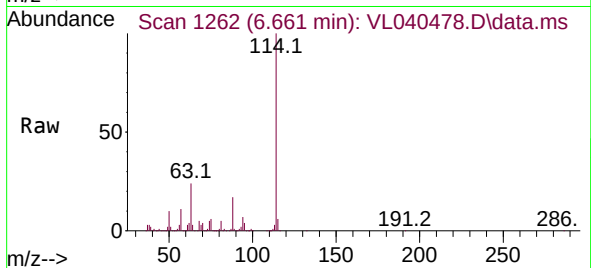
88 17.9 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2023

Supervised By :Mahesh Dadoda 06/16/2023



#34

2-Butanone

Concen: 25.109 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.007 min

Lab File: VL040478.D

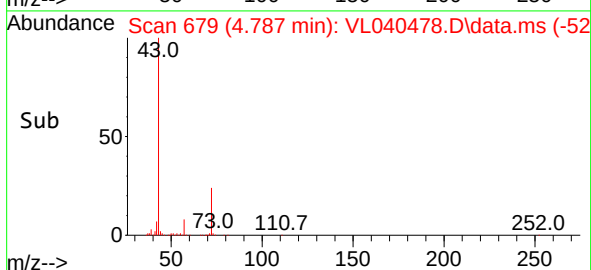
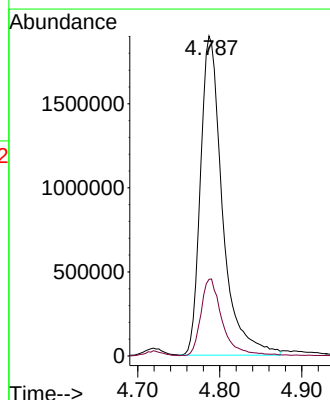
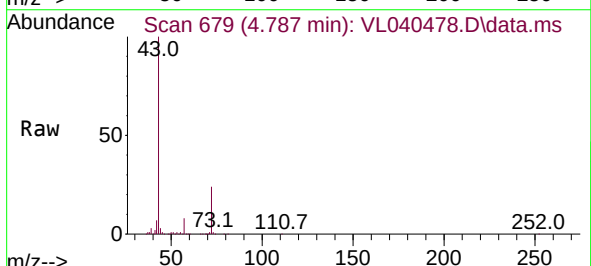
Acq: 15 Jun 2023 22:23

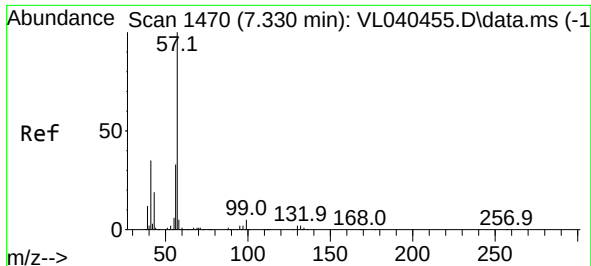
Tgt Ion: 43 Resp: 3536253

Ion Ratio Lower Upper

43 100

72 24.0 18.1 27.1





#44

2,2,4-Trimethylpentane

Concen: 0.332 ppbv

RT: 7.337 min Scan# 1470

Delta R.T. 0.007 min

Lab File: VL040478.D

Acq: 15 Jun 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

SVP-06

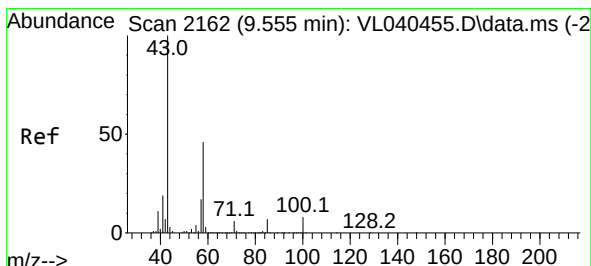
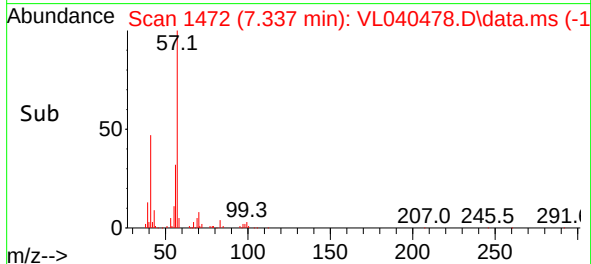
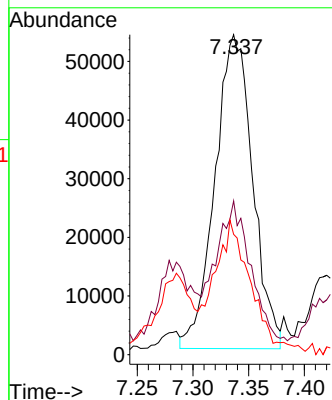
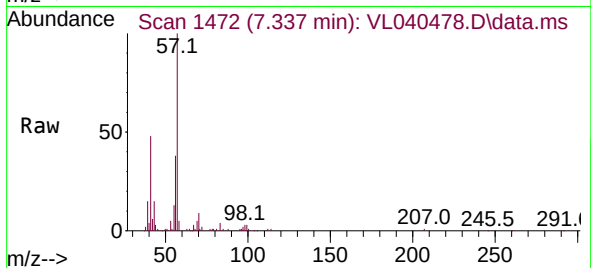
Tgt Ion: 57 Resp: 126224

Ion	Ratio	Lower	Upper
57	100		
41	49.4	27.8	41.8
56	44.3	25.3	37.9

Manual Integrations

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



#51

2-Hexanone

Concen: 3.457 ppbv

RT: 9.565 min Scan# 2165

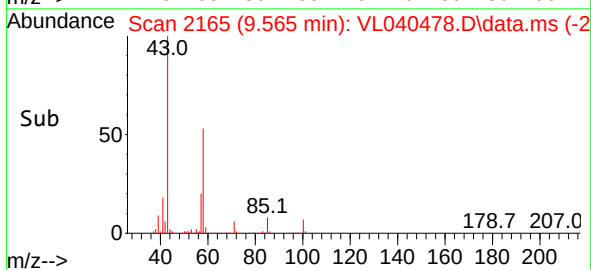
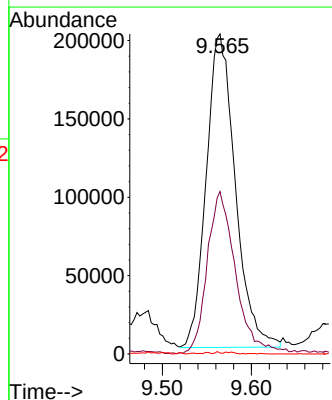
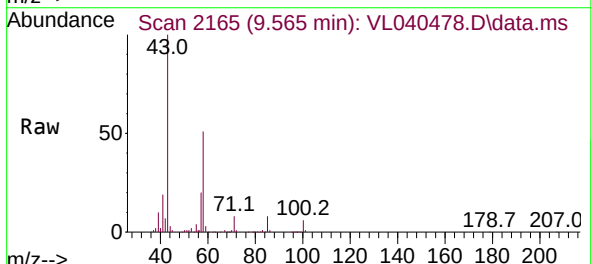
Delta R.T. 0.010 min

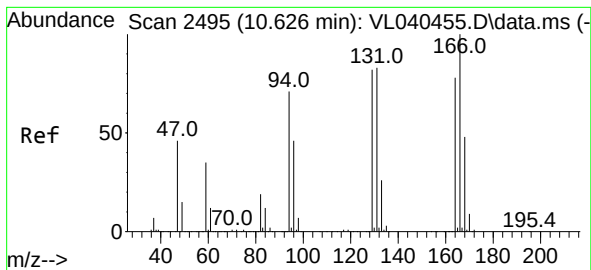
Lab File: VL040478.D

Acq: 15 Jun 2023 22:23

Tgt Ion: 43 Resp: 452643

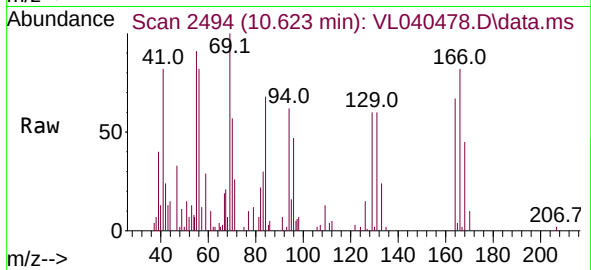
Ion	Ratio	Lower	Upper
43	100		
58	50.6	37.1	55.7
98	0.5	0.5	0.7





#52
Tetrachloroethene
Concen: 0.232 ppbv
RT: 10.623 min Scan# 2495
Delta R.T. -0.003 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

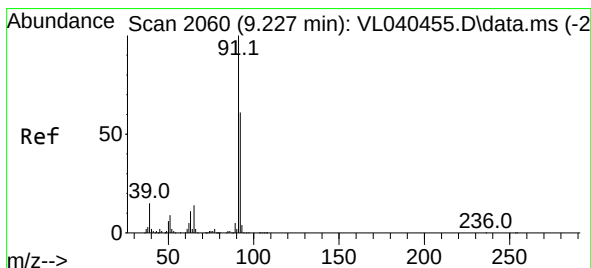
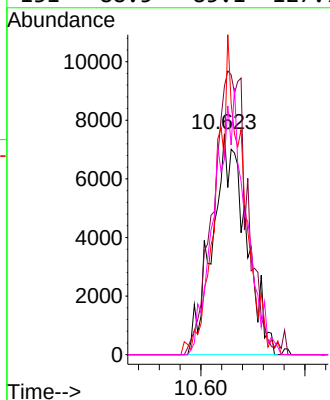
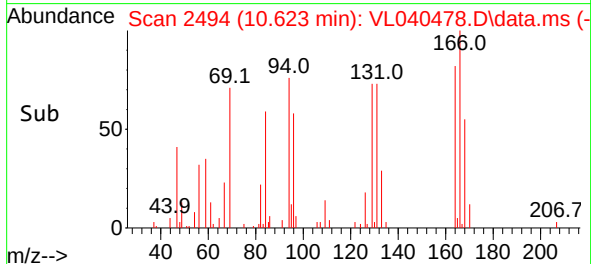
Instrument : MSVOA_L
ClientSampleId : SVP-06



Tgt Ion:164 Resp: 1694
Ion Ratio Lower Upper
164 100
166 121.6 102.7 154.1
129 88.6 84.6 126.8
131 88.5 85.1 127.7

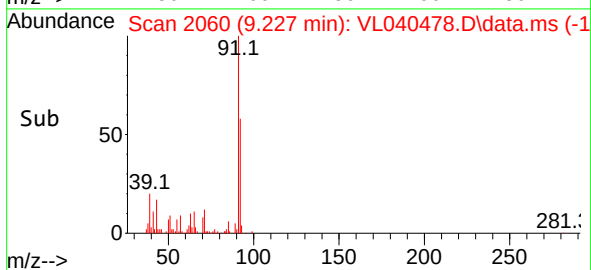
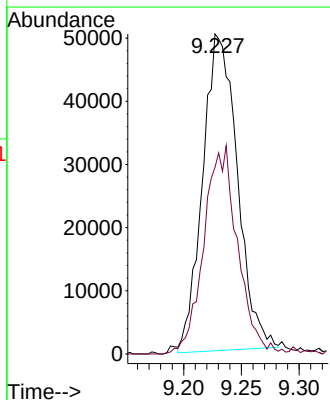
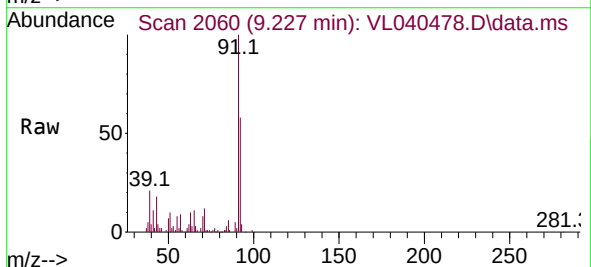
Manual Integrations
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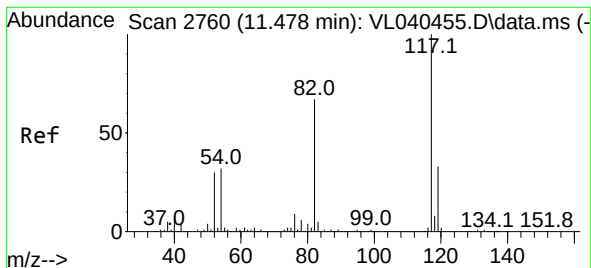
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#53
Toluene
Concen: 0.428 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

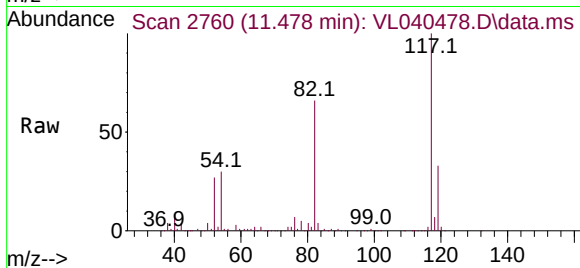
Tgt Ion: 91 Resp: 104717
Ion Ratio Lower Upper
91 100
92 64.7 49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.000 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

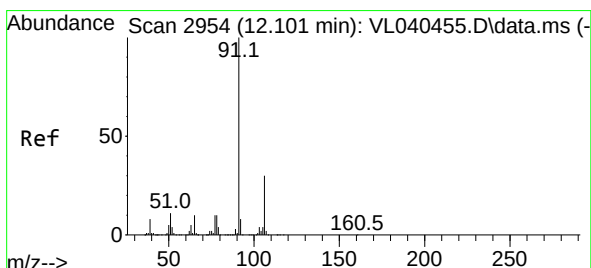
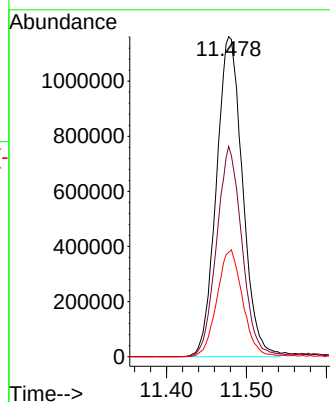
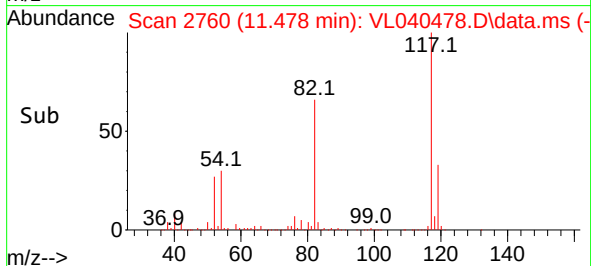
Instrument :
MSVOA_L
ClientSampleId :
SVP-06



Tgt Ion: 117 Resp: 2641072
Ion Ratio Lower Upper
117 100
82 63.9 53.0 79.4
119 33.1 24.4 36.6

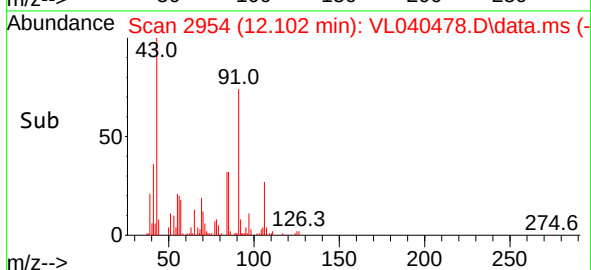
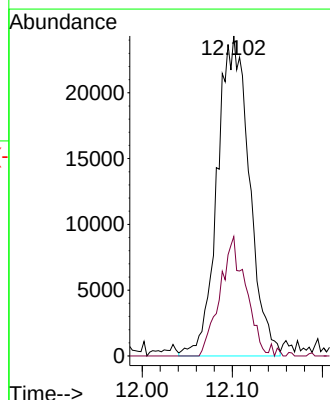
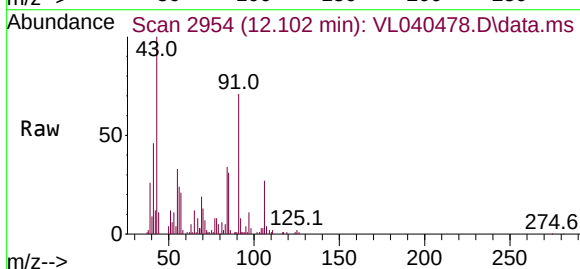
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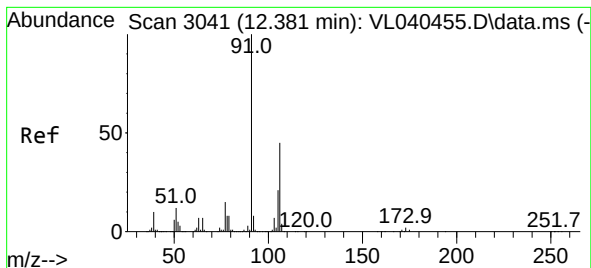
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023



#58
Ethyl Benzene
Concen: 0.187 ppbv m
RT: 12.102 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

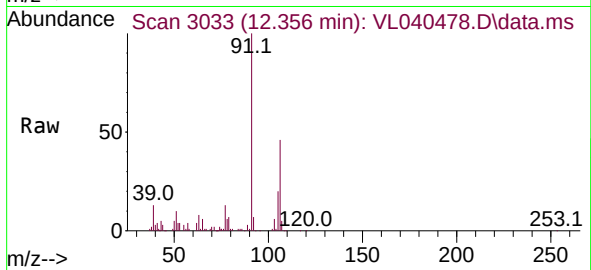
Tgt Ion: 91 Resp: 59964
Ion Ratio Lower Upper
91 100
106 37.3 23.7 35.5#





#59
m/p-Xylene
Concen: 0.590 ppbv
RT: 12.356 min Scan# 3041
Delta R.T. -0.026 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

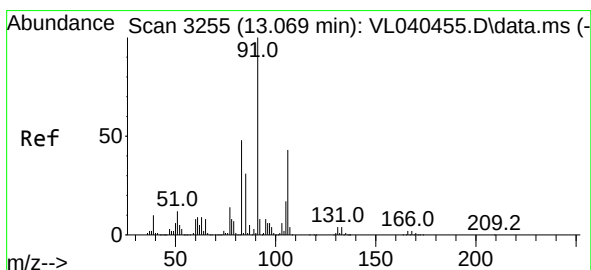
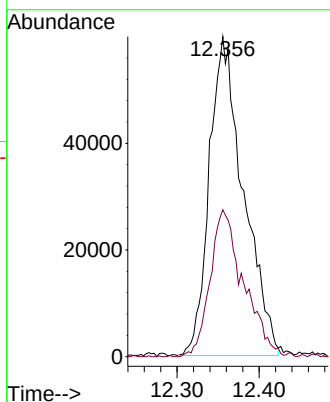
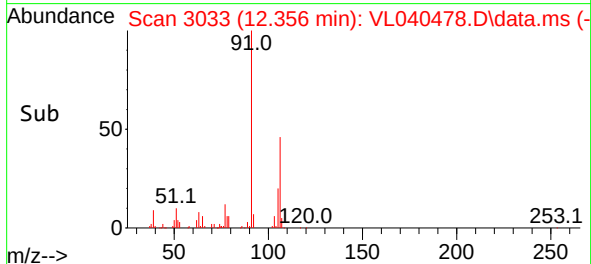
Instrument :
MSVOA_L
ClientSampleId :
SVP-06



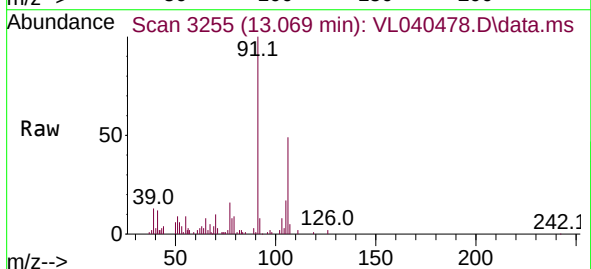
Tgt Ion: 91 Resp: 17346
Ion Ratio Lower Upper
91 100
106 45.2 34.6 52.0

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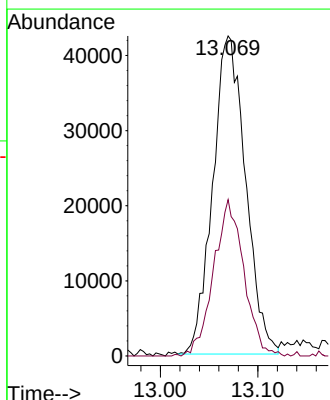
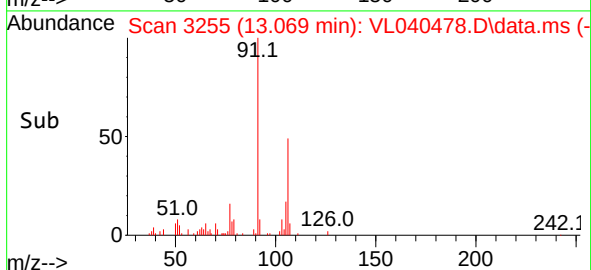
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

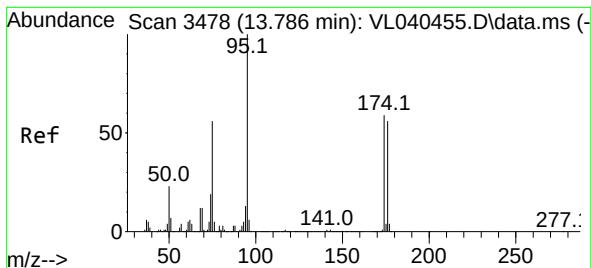


#60
o-Xylene
Concen: 0.356 ppbv
RT: 13.069 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23



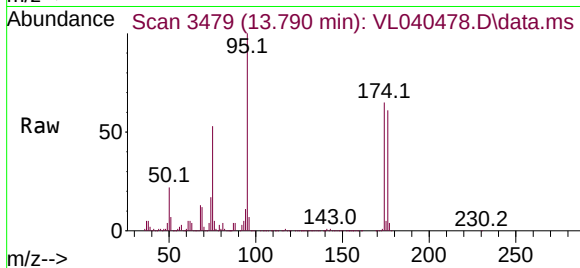
Tgt Ion: 91 Resp: 99168
Ion Ratio Lower Upper
91 100
106 45.4 22.1 66.1





#68
1-Bromo-4-Fluorobenzene
Concen: 9.720 ppbv
RT: 13.790 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23

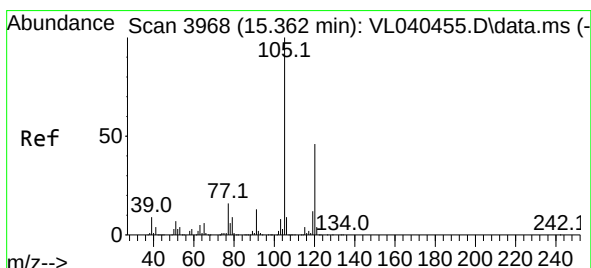
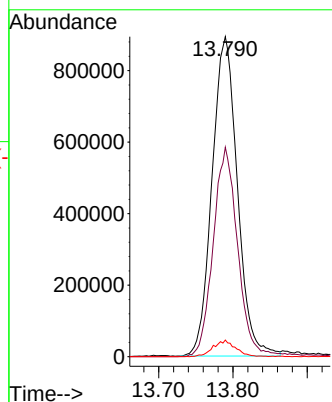
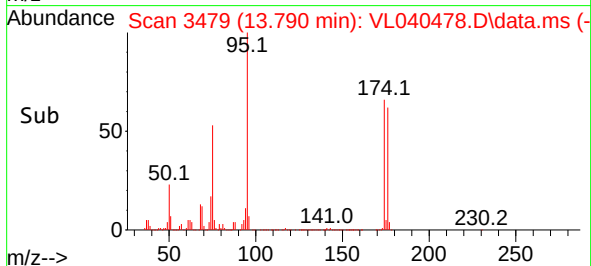
Instrument :
MSVOA_L
ClientSampleId :
SVP-06



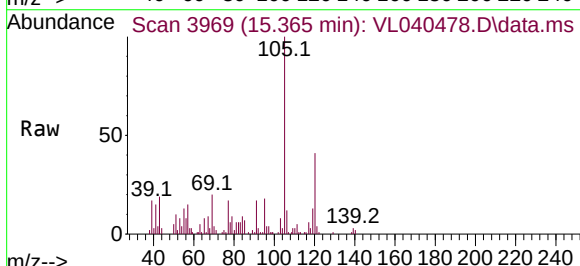
Tgt Ion: 95 Resp: 211881
Ion Ratio Lower Upper
95 100
174 64.0 47.7 71.5
175 4.7 3.5 5.3

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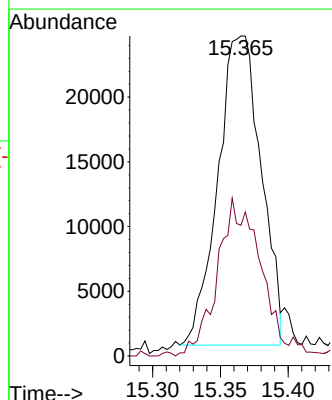
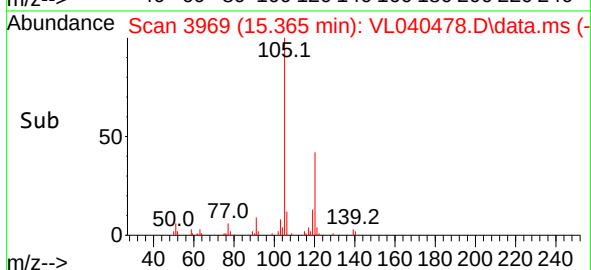
Reviewed By :Semsettin Yesilyurt 06/16/2023
Supervised By :Mahesh Dadoda 06/16/2023

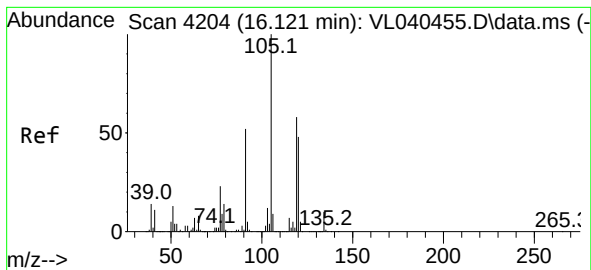


#73
1,3,5-Trimethylbenzene
Concen: 0.191 ppbv
RT: 15.365 min Scan# 3969
Delta R.T. 0.003 min
Lab File: VL040478.D
Acq: 15 Jun 2023 22:23



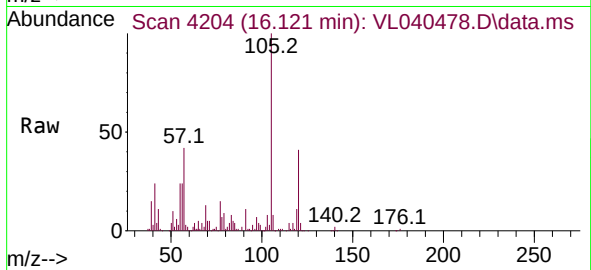
Tgt Ion:105 Resp: 53107
Ion Ratio Lower Upper
105 100
120 41.3 36.4 54.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.678 ppbv
 RT: 16.121 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040478.D
 Acq: 15 Jun 2023 22:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-06



Tgt Ion:	105	Resp:	221340
Ion	Ratio	Lower	Upper
105	100		
120	41.1	38.4	57.6
91	10.1	41.3	61.9
77	13.9	18.6	28.0

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

