

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093023\
 Data File : VX038012.D
 Acq On : 30 Sep 2023 18:22
 Operator : JC/MD
 Sample : 04639-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1035

Quant Time: Oct 02 02:16:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

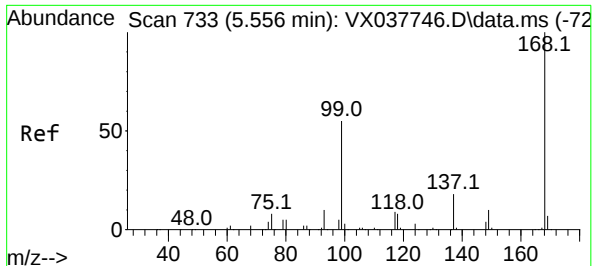
Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/02/2023
 Supervised By :Mahesh Dadoda 10/02/2023

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

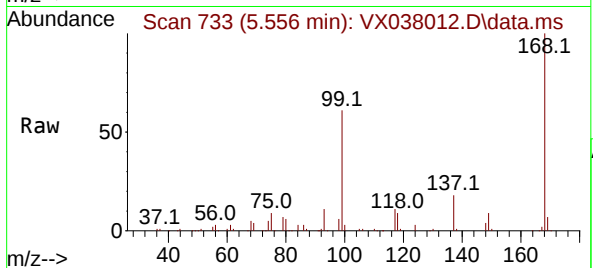
Internal Standards						
1) Pentafluorobenzene	5.556	168	164083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	294929	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	163213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	121804	56.501	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.000%
35) Dibromofluoromethane	5.385	113	95734	48.513	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.020%
50) Toluene-d8	8.647	98	365185	49.805	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.600%
62) 4-Bromofluorobenzene	11.079	95	148627	55.782	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.560%
Target Compounds						
					Qvalue	
16) Acetone	2.374	43	85951	82.878	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	5179	0.879	ug/l #	88
20) Methylene Chloride	2.794	84	928	0.459	ug/l #	73
25) 2-Butanone	4.568	43	13453	9.192	ug/l	91
31) Cyclohexane	5.471	56	1610	0.582	ug/l	94
39) Methylcyclohexane	7.379	83	1560	0.452	ug/l #	78
40) Benzene	6.044	78	258690	30.945	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	3412	1.125	ug/l	95
52) Toluene	8.720	92	324827	60.292	ug/l	93
68) m/p-Xylenes	10.305	106	8345	1.962	ug/l	95
69) o-Xylene	10.640	106	582605	136.630	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	160169	15.839	ug/l	98
86) p-Isopropyltoluene	12.012	119	3833m	0.371	ug/l	
95) Naphthalene	13.774	128	1005196	89.454	ug/l	99

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.006 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

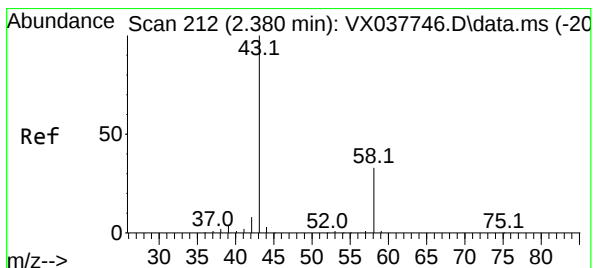
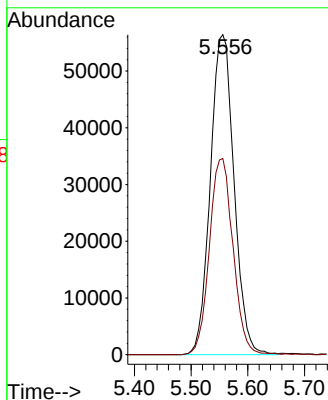
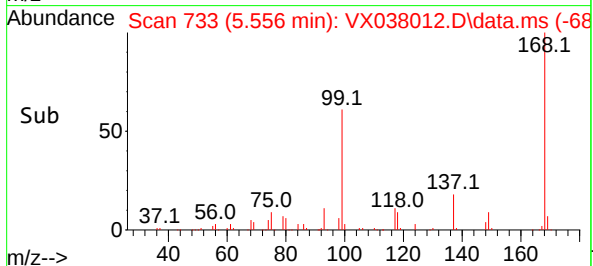
Instrument :
MSVOA_X
ClientSampleId :
1035



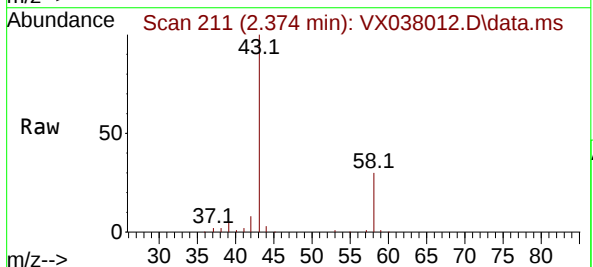
Tgt Ion:168 Resp: 16408
Ion Ratio Lower Upper
168 100
99 61.3 56.6 85.0

Manual Integrations
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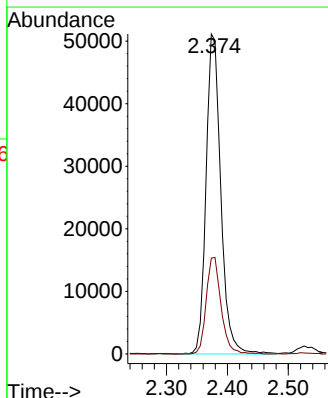
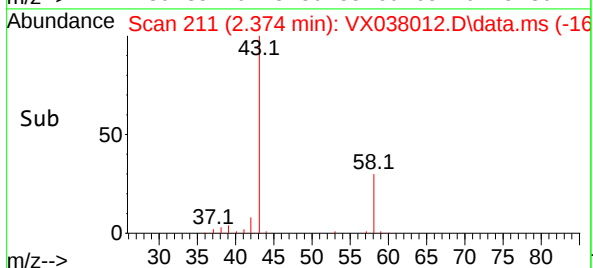
Reviewed By :Semsettin Yesilyurt 10/02/2023
Supervised By :Mahesh Dadoda 10/02/2023

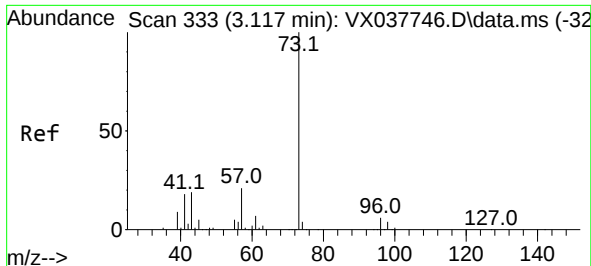


#16
Acetone
Concen: 82.878 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22



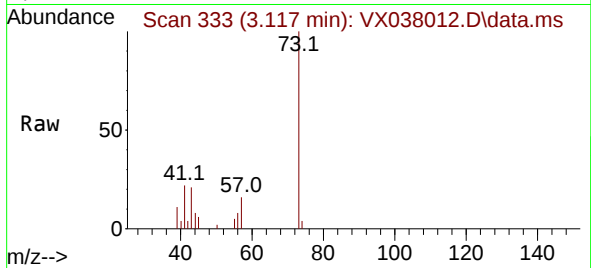
Tgt Ion: 43 Resp: 85951
Ion Ratio Lower Upper
43 100
58 29.9 21.9 32.9





#19
Methyl tert-butyl Ether
Concen: 0.879 ug/l
RT: 3.117 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

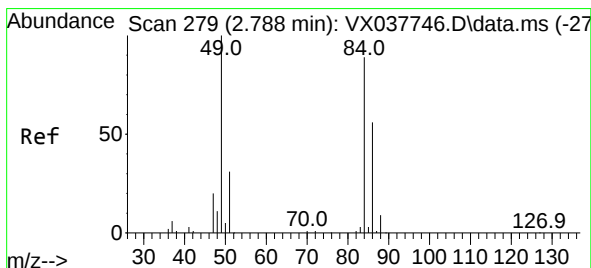
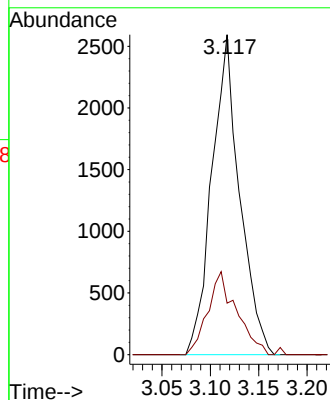
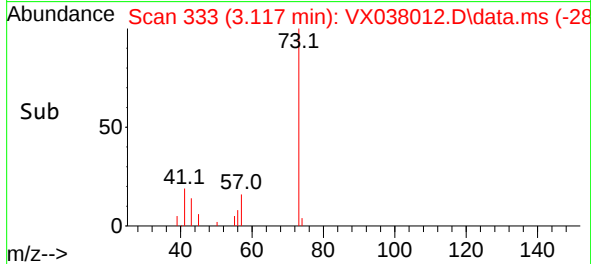
Instrument :
MSVOA_X
ClientSampleId :
1035



Tgt Ion: 73 Resp: 5179
Ion Ratio Lower Upper
73 100
57 16.1 17.3 25.9

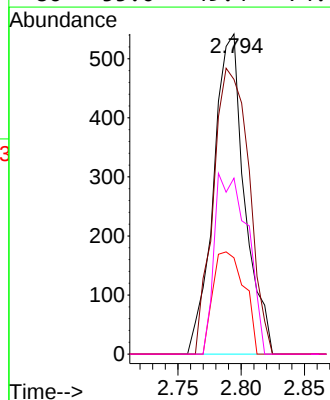
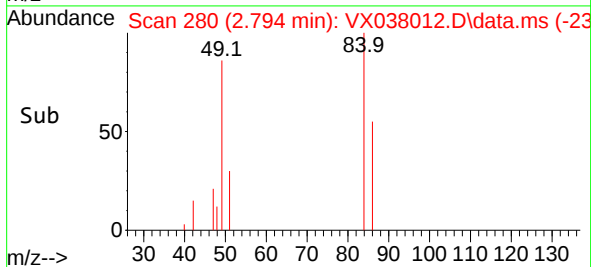
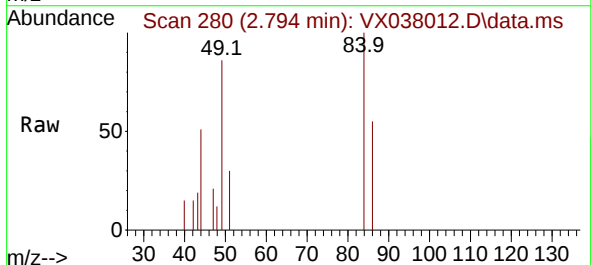
Manual Integrations
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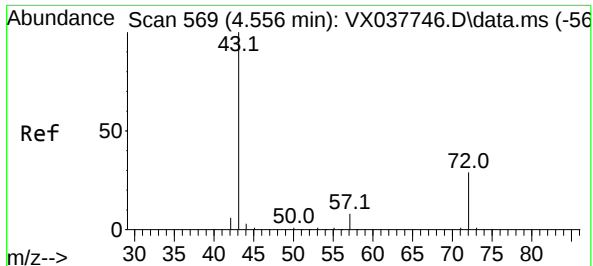
Reviewed By :Semsettin Yesilyurt 10/02/2023
Supervised By :Mahesh Dadoda 10/02/2023



#20
Methylene Chloride
Concen: 0.459 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

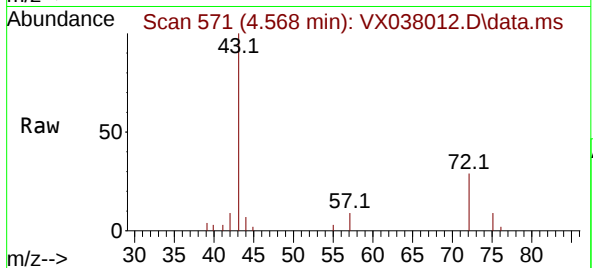
Tgt Ion: 84 Resp: 928
Ion Ratio Lower Upper
84 100
49 85.8 103.6 155.4#
51 30.1 33.8 50.6#
86 55.0 49.4 74.0





#25
2-Butanone
Concen: 9.192 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

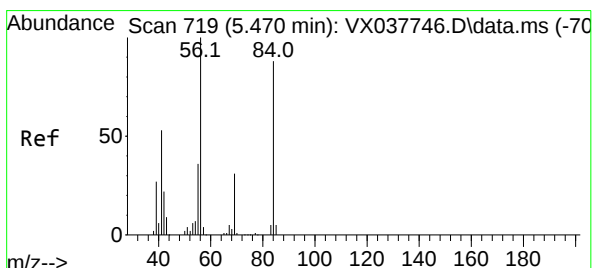
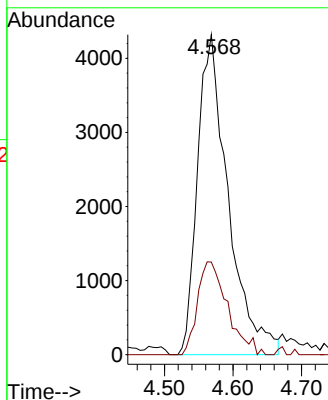
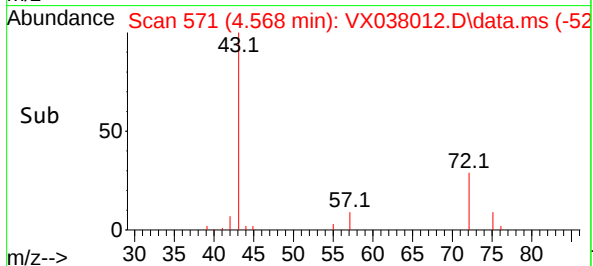
Instrument :
MSVOA_X
ClientSampleId :
1035



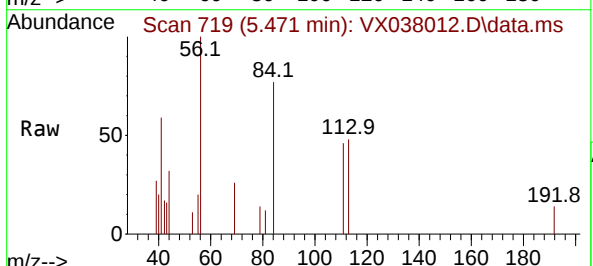
Tgt Ion: 43 Resp: 1345
Ion Ratio Lower Upper
43 100
72 29.0 19.4 29.2

Manual Integrations
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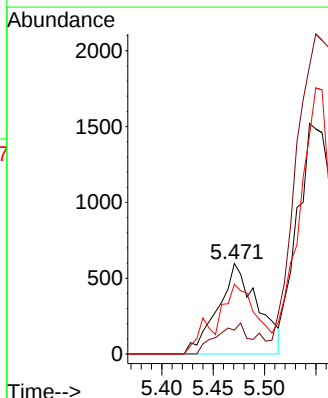
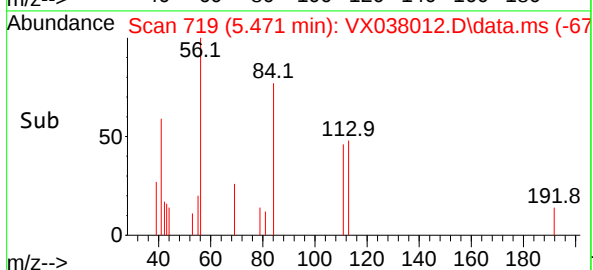
Reviewed By :Semsettin Yesilyurt 10/02/2023
Supervised By :Mahesh Dadoda 10/02/2023

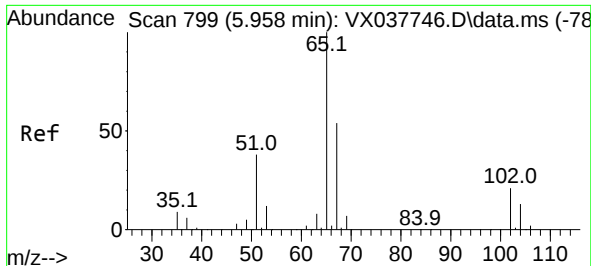


#31
Cyclohexane
Concen: 0.582 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22



Tgt Ion: 56 Resp: 1610
Ion Ratio Lower Upper
56 100
69 26.5 23.4 35.2
84 77.1 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 56.501 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038012.D

Acq: 30 Sep 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

1035

Tgt Ion: 65 Resp: 121804

Ion Ratio Lower Upper

65 100

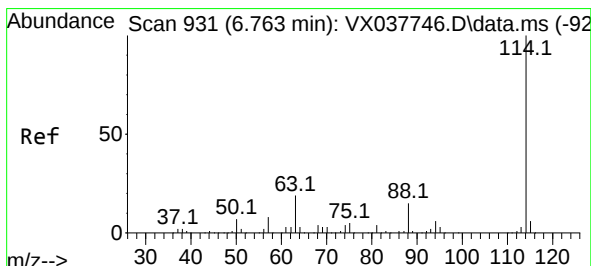
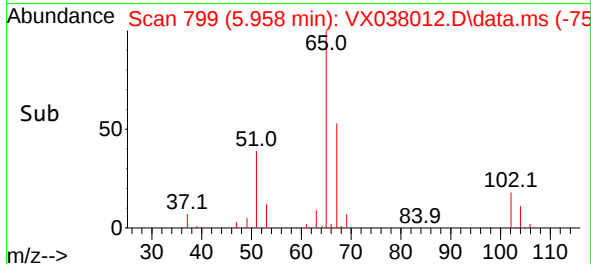
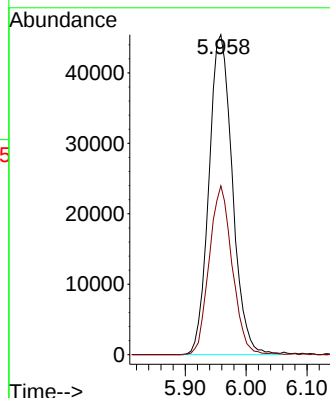
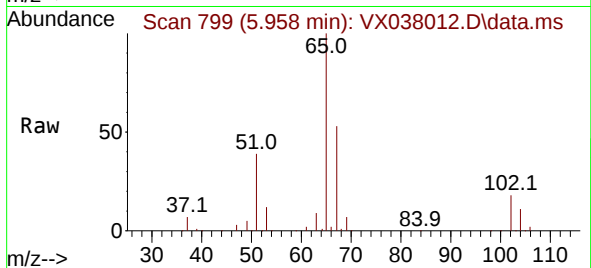
67 51.6 0.0 100.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/02/2023

Supervised By :Mahesh Dadoda 10/02/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX038012.D

Acq: 30 Sep 2023 18:22

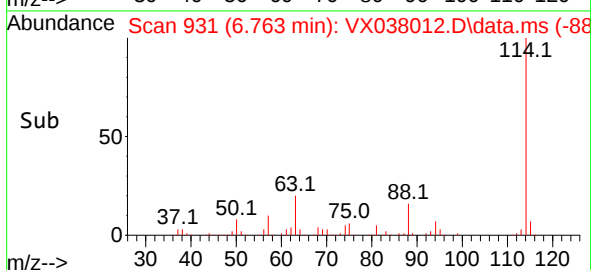
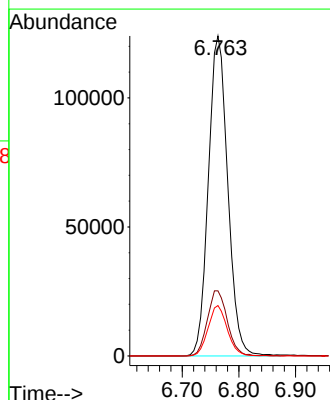
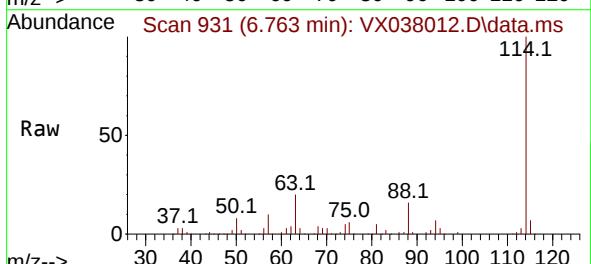
Tgt Ion:114 Resp: 294929

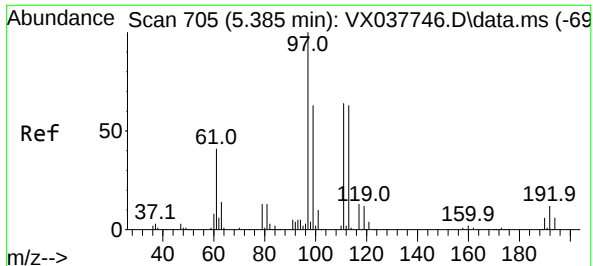
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.0

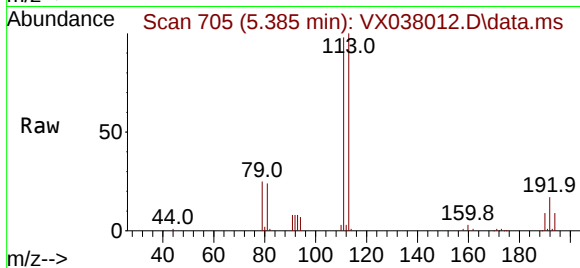
88 15.7 0.0 36.6





#35
Dibromofluoromethane
Concen: 48.513 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

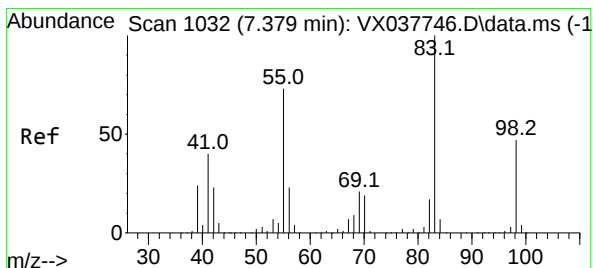
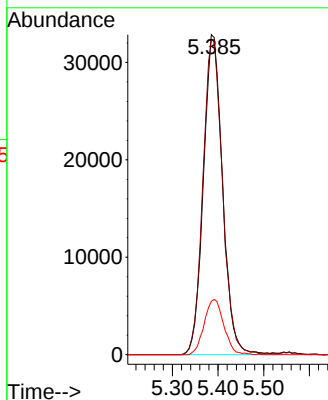
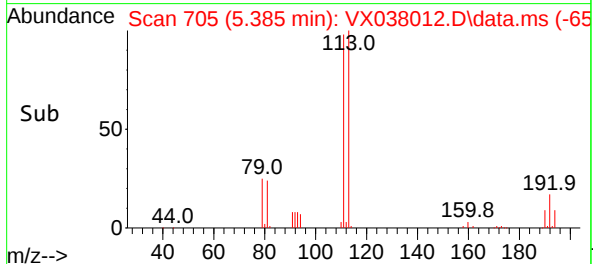
Instrument :
MSVOA_X
ClientSampleId :
1035



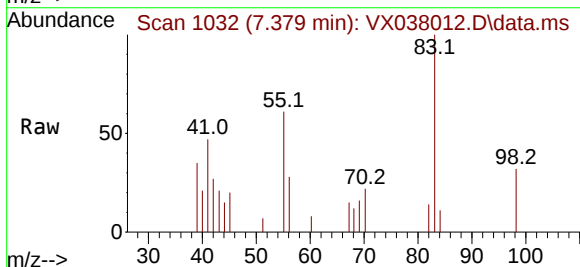
Tgt Ion: 113 Resp: 95734
Ion Ratio Lower Upper
113 100
111 100.6 82.9 124.3
192 17.6 13.3 19.9

Manual Integrations
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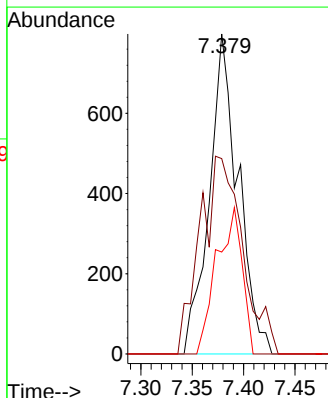
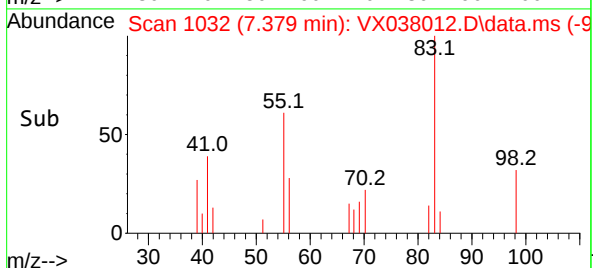
Reviewed By :Semsettin Yesilyurt 10/02/2023
Supervised By :Mahesh Dadoda 10/02/2023

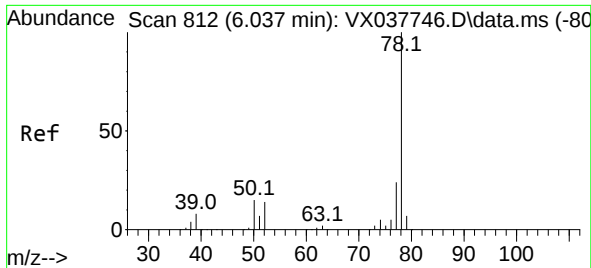


#39
Methylcyclohexane
Concen: 0.452 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22



Tgt Ion: 83 Resp: 1560
Ion Ratio Lower Upper
83 100
55 61.0 64.6 97.0#
98 31.8 36.7 55.1#





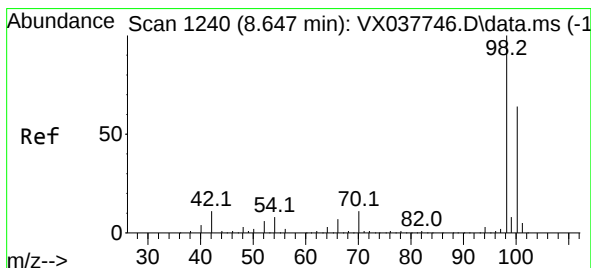
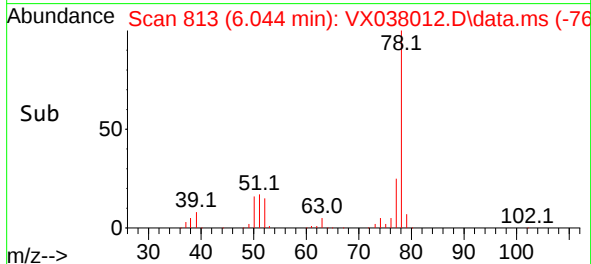
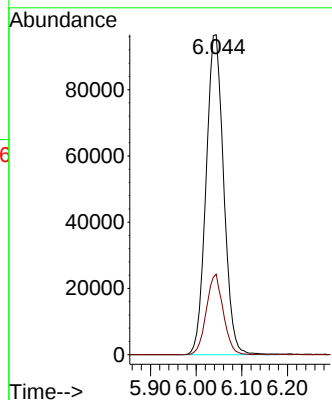
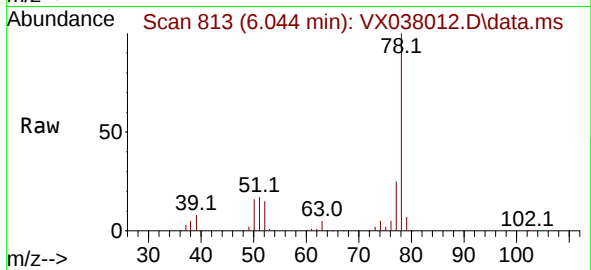
#40
Benzene
Concen: 30.945 ug/l
RT: 6.044 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

Instrument :
MSVOA_X
ClientSampleId :
1035

Tgt Ion: 78 Resp: 258690
Ion Ratio Lower Upper
78 100
77 25.2 19.3 28.9

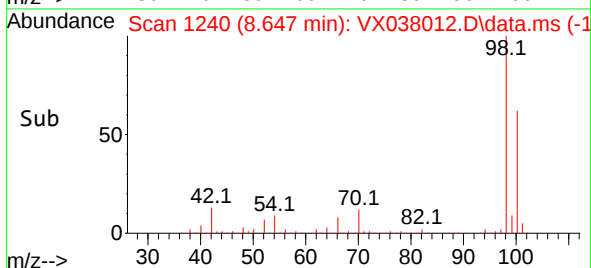
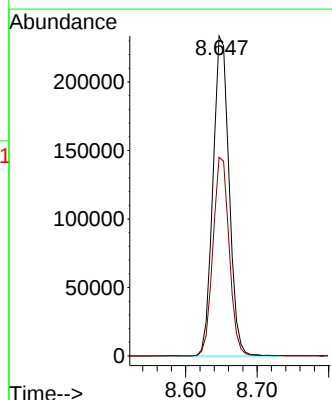
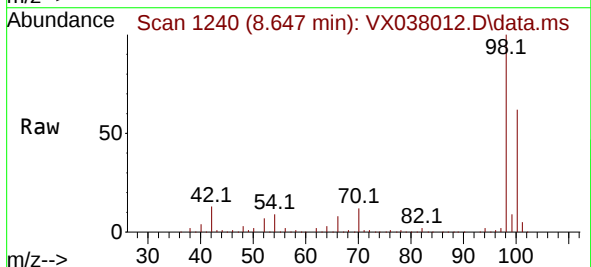
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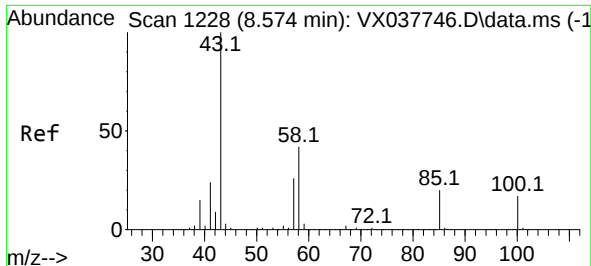
Reviewed By :Semsettin Yesilyurt 10/02/2023
Supervised By :Mahesh Dadoda 10/02/2023



#50
Toluene-d8
Concen: 49.805 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

Tgt Ion: 98 Resp: 365185
Ion Ratio Lower Upper
98 100
100 62.6 53.1 79.7





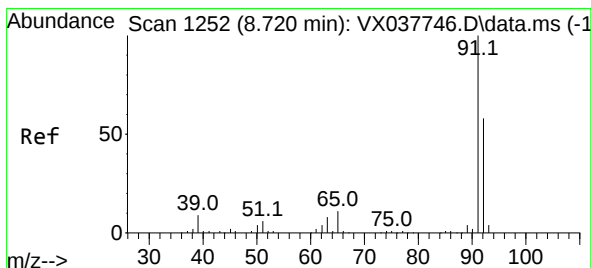
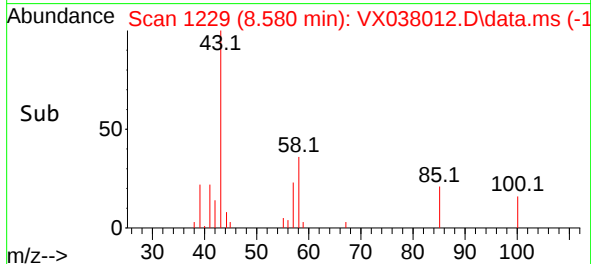
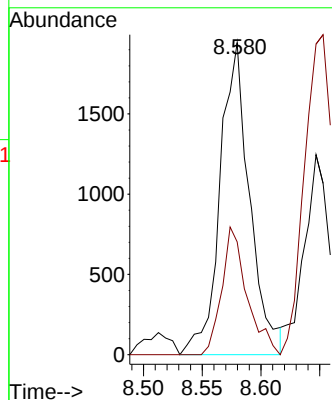
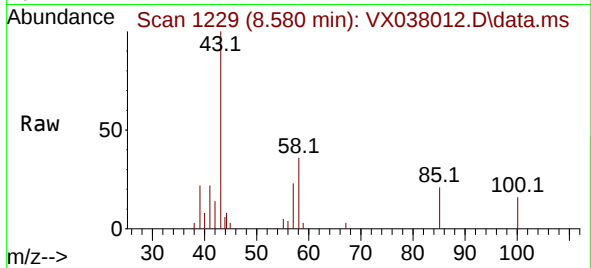
#51
4-Methyl-2-Pentanone
Concen: 1.125 ug/l
RT: 8.580 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

Instrument :
MSVOA_X
ClientSampleId :
1035

Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
58 34.8 30.4 45.6

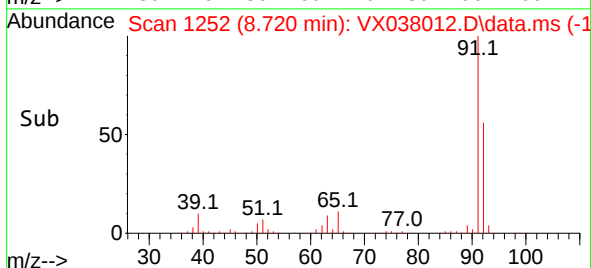
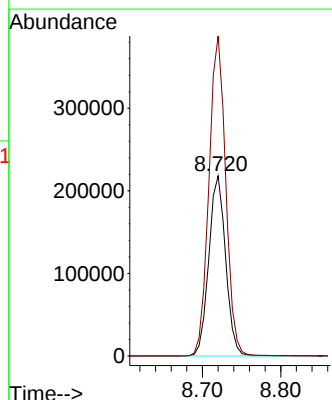
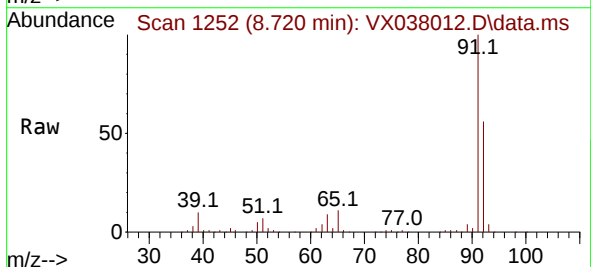
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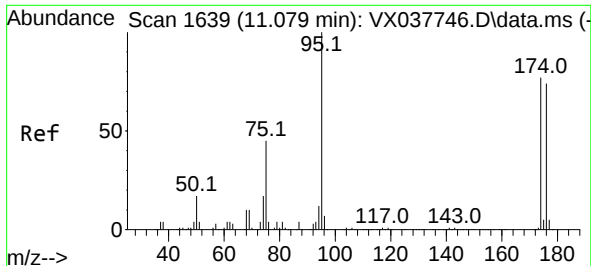
Reviewed By :Semsettin Yesilyurt 10/02/2023
Supervised By :Mahesh Dadoda 10/02/2023



#52
Toluene
Concen: 60.292 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

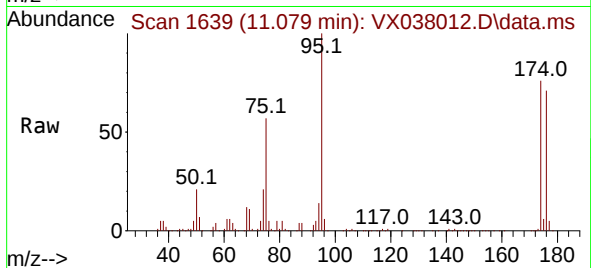
Tgt Ion: 92 Resp: 324827
Ion Ratio Lower Upper
92 100
91 177.7 134.2 201.2





#62
4-Bromofluorobenzene
Concen: 55.782 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

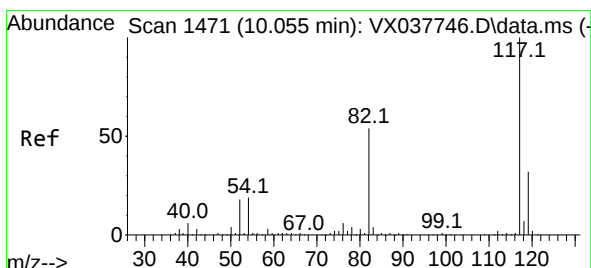
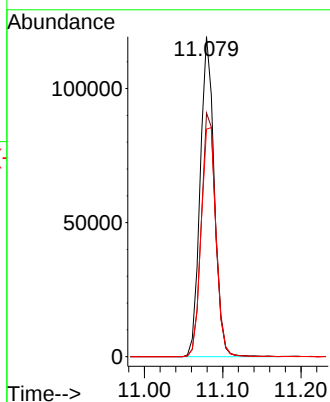
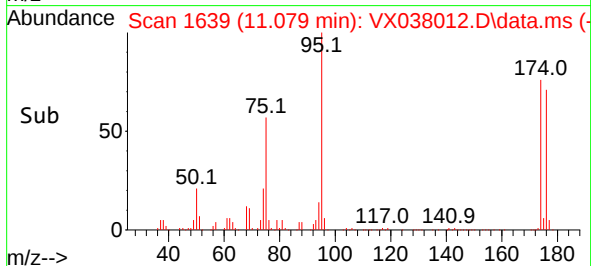
Instrument :
MSVOA_X
ClientSampleId :
1035



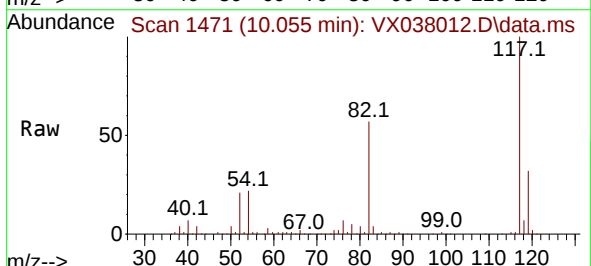
Tgt Ion: 95 Resp: 14862
Ion Ratio Lower Upper
95 100
174 78.3 0.0 135.6
176 76.0 0.0 131.0

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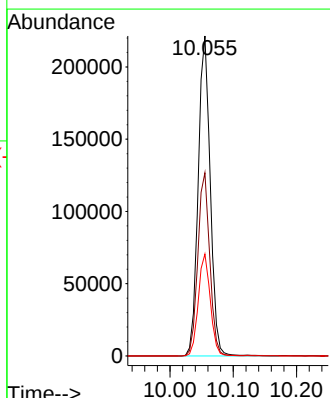
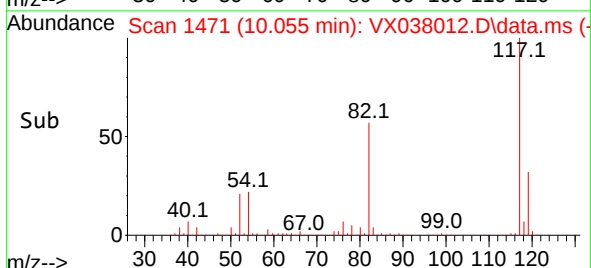
Reviewed By :Semsettin Yesilyurt 10/02/2023
Supervised By :Mahesh Dadoda 10/02/2023

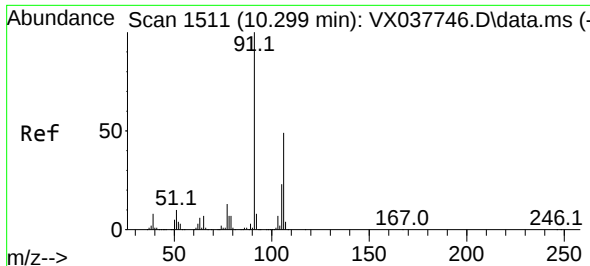


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22



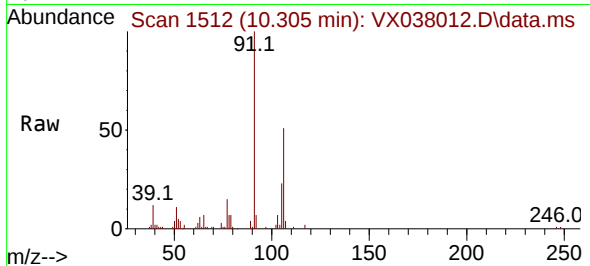
Tgt Ion:117 Resp: 294261
Ion Ratio Lower Upper
117 100
82 57.3 46.2 69.4
119 31.9 25.5 38.3





#68
m/p-Xylenes
Concen: 1.962 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

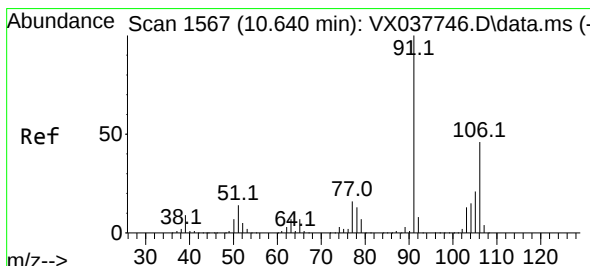
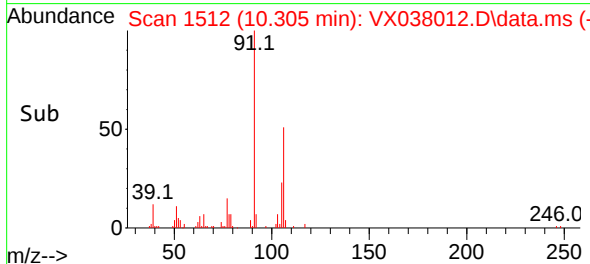
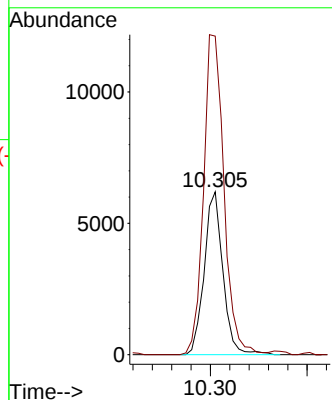
Instrument :
MSVOA_X
ClientSampleId :
1035



Tgt Ion:106 Resp: 8345
Ion Ratio Lower Upper
106 100
91 214.1 165.5 248.3

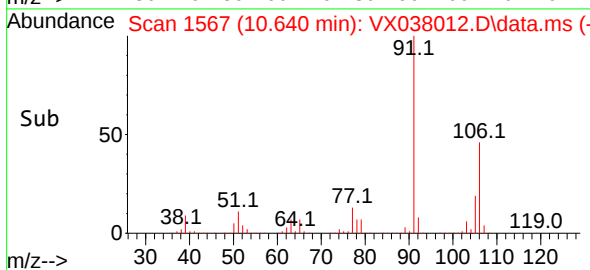
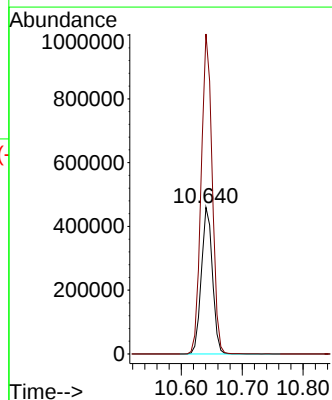
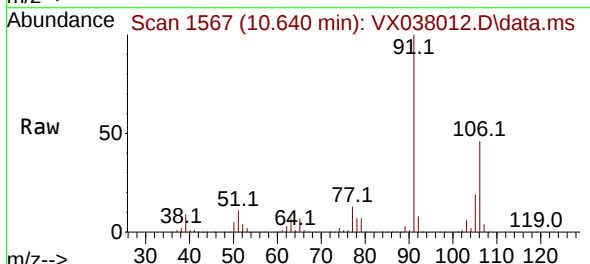
Manual Integrations
APPROVED

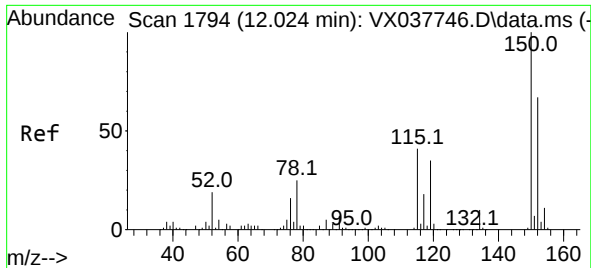
Reviewed By :Semsettin Yesilyurt 10/02/2023
Supervised By :Mahesh Dadoda 10/02/2023



#69
o-Xylene
Concen: 136.630 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

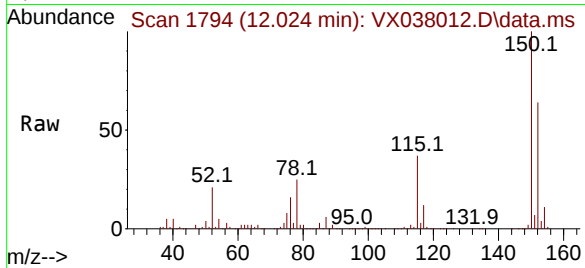
Tgt Ion:106 Resp: 582605
Ion Ratio Lower Upper
106 100
91 217.4 108.9 326.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX038012.D
 Acq: 30 Sep 2023 18:22

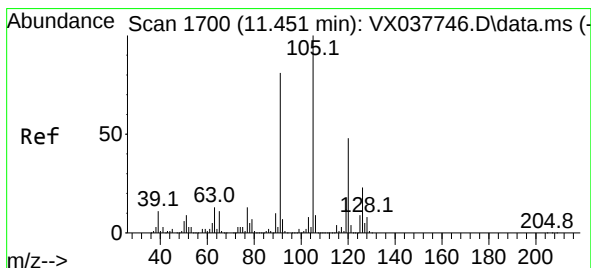
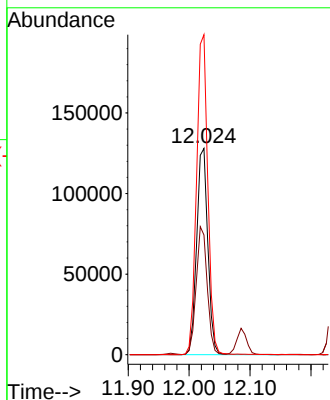
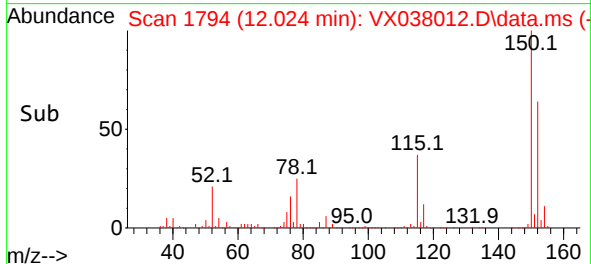
Instrument :
 MSVOA_X
 ClientSampleId :
 1035



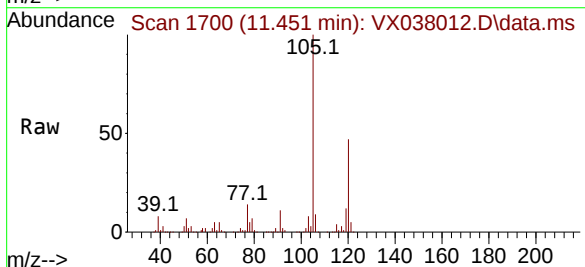
Tgt Ion:152 Resp: 16321
 Ion Ratio Lower Upper
 152 100
 115 61.0 43.3 129.9
 150 155.9 0.0 345.0

Manual Integrations
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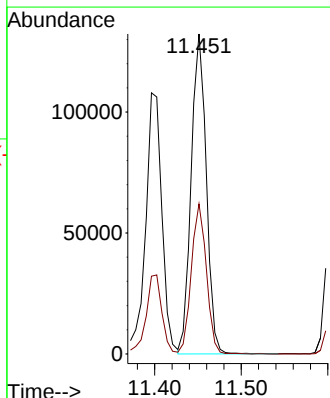
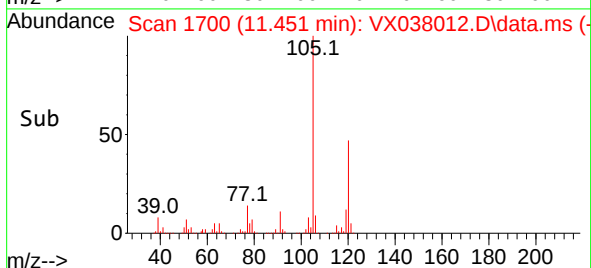
Reviewed By :Semsettin Yesilyurt 10/02/2023
 Supervised By :Mahesh Dadoda 10/02/2023

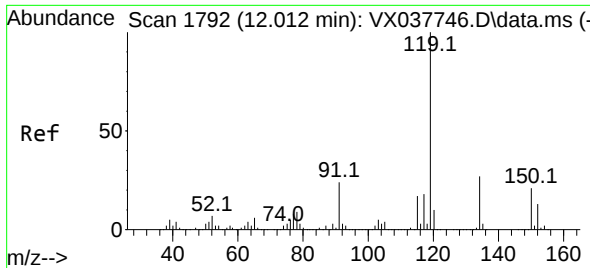


#80
 1,3,5-Trimethylbenzene
 Concen: 15.839 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: VX038012.D
 Acq: 30 Sep 2023 18:22



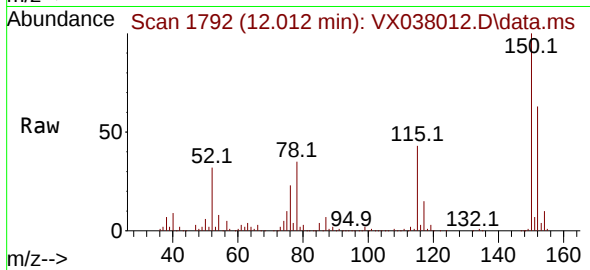
Tgt Ion:105 Resp: 160169
 Ion Ratio Lower Upper
 105 100
 120 46.8 24.1 72.3





#86
p-Isopropyltoluene
Concen: 0.371 ug/l m
RT: 12.012 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

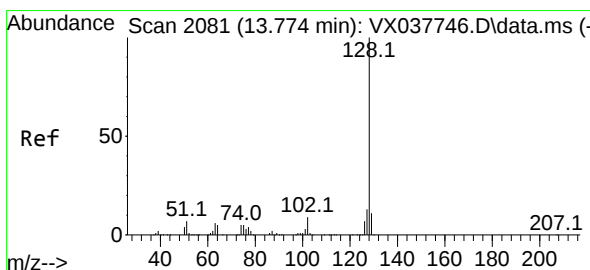
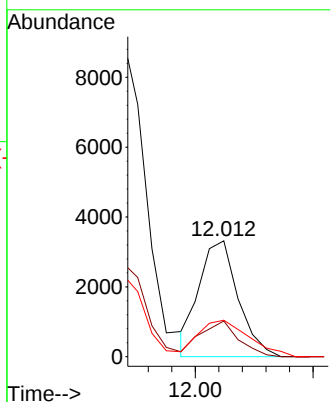
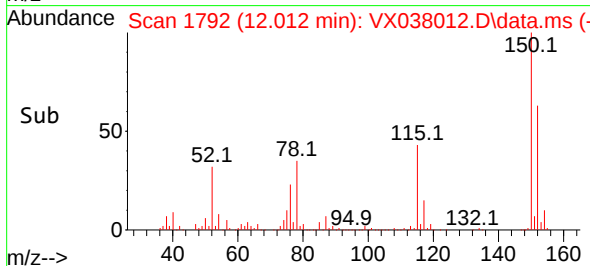
Instrument :
MSVOA_X
ClientSampleId :
1035



Tgt Ion:119 Resp: 383
Ion Ratio Lower Upper
119 100
134 82.1 12.8 38.3
91 79.7 13.1 39.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/02/2023
Supervised By :Mahesh Dadoda 10/02/2023



#95
Naphthalene
Concen: 89.454 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX038012.D
Acq: 30 Sep 2023 18:22

Tgt Ion:128 Resp: 1005196
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.2 8.8 13.2

