

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012723\
 Data File : VX033933.D
 Acq On : 27 Jan 2023 13:28
 Operator : JC/MD
 Sample : 01321-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33903

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/30/2023
 Supervised By :Semsettin Yesilyurt 01/30/2023

Quant Time: Jan 28 03:05:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	163203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233982	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78102	45.451	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.900%		
35) Dibromofluoromethane	5.385	113	70525	48.541	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.080%		
50) Toluene-d8	8.647	98	266864	50.412	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.820%		
62) 4-Bromofluorobenzene	11.079	95	94885	48.277	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.560%		
Target Compounds					Qvalue	
16) Acetone	2.379	43	92680	143.113	ug/l	93
18) Methyl Acetate	2.703	43	26628	11.104	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	222691	48.283	ug/l	100
22) Diisopropyl ether	3.757	45	24785	4.918	ug/l #	77
25) 2-Butanone	4.556	43	26649	23.735	ug/l	98
31) Cyclohexane	5.470	56	842	0.333	ug/l	86
37) Ethyl Acetate	4.714	43	48486	22.386	ug/l	98
39) Methylcyclohexane	7.385	83	899	0.343	ug/l	96
40) Benzene	6.037	78	221528	35.842	ug/l	99
44) Trichloroethene	7.135	130	685	0.396	ug/l	54
52) Toluene	8.720	92	156145	39.121	ug/l	99
67) Ethyl Benzene	10.195	91	63588	8.410	ug/l	98
68) m/p-Xylenes	10.299	106	99556	33.662	ug/l	98
69) o-Xylene	10.640	106	78706	26.835	ug/l	100
73) Isopropylbenzene	10.963	105	42246	3.659	ug/l	100
78) n-propylbenzene	11.305	91	37307	4.264	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	78150	12.114	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	314406	51.521	ug/l	98
85) sec-Butylbenzene	11.890	105	8319m	1.086	ug/l	
86) p-Isopropyltoluene	12.012	119	6198m	0.945	ug/l	
89) n-Butylbenzene	12.329	91	22299m	4.155	ug/l	
95) Naphthalene	13.774	128	231146	34.121	ug/l	99

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

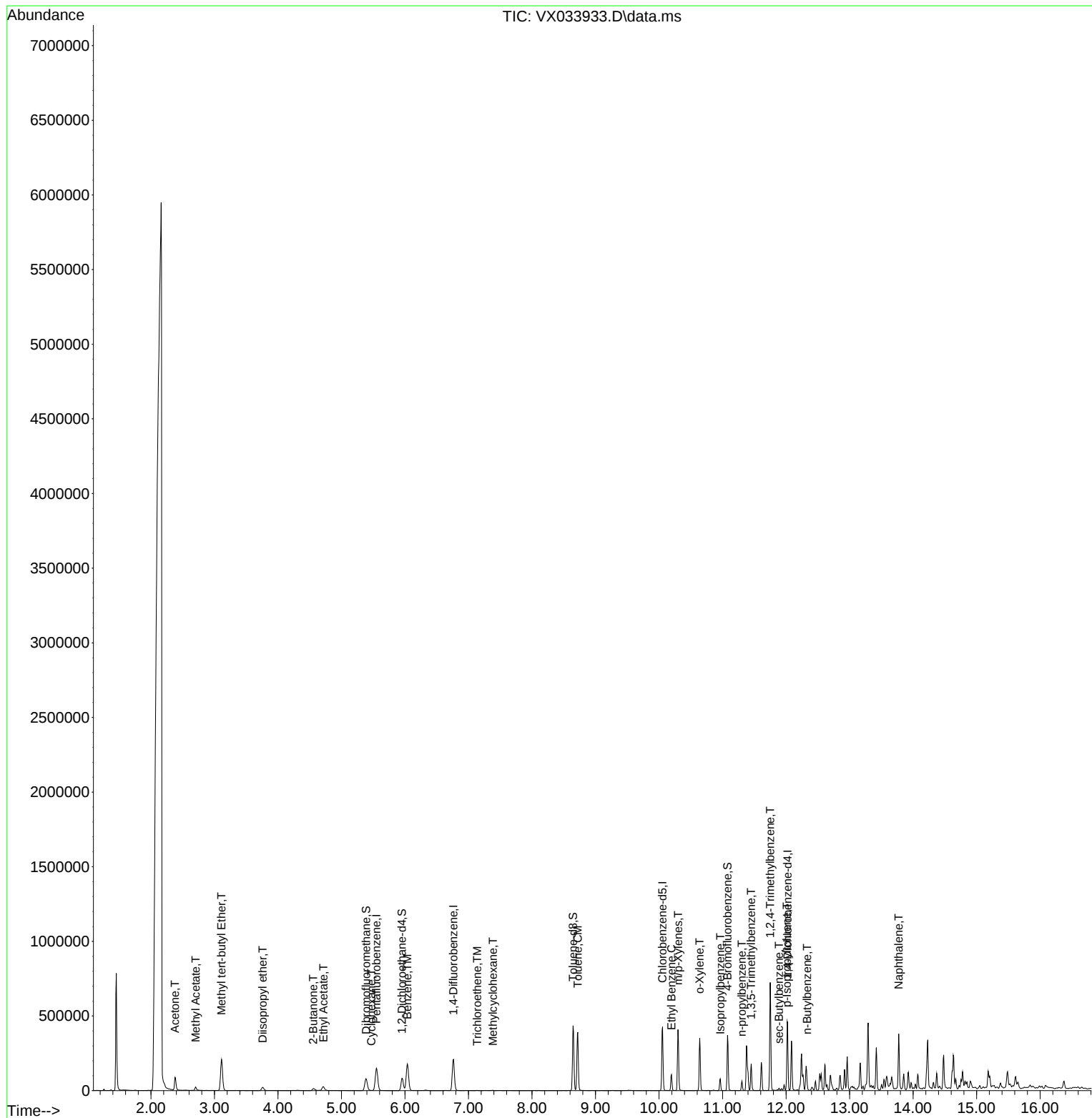
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012723\
Data File : VX033933.D
Acq On : 27 Jan 2023 13:28
Operator : JC/MD
Sample : 01321-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
33903

Manual Integrations
APPROVED

Reviewed By : John Carlone 01/30/2023
Supervised By : Semsettin Yesilyurt 01/30/2023

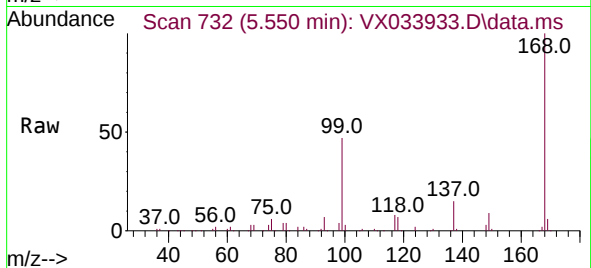
Quant Time: Jan 28 03:05:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

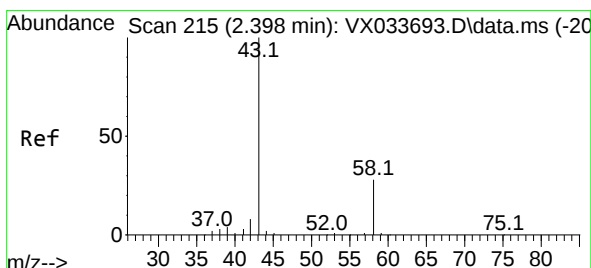
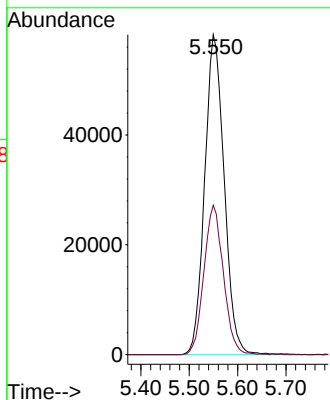
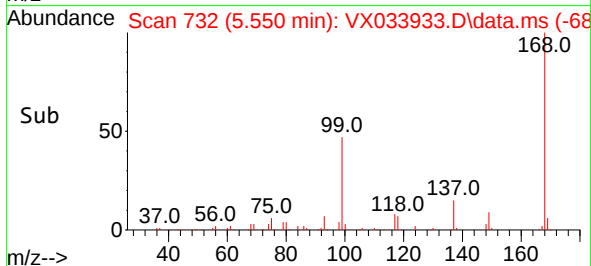
Instrument :
MSVOA_X
ClientSampleId :
33903



Tgt Ion:168 Resp: 16320
Ion Ratio Lower Upper
168 100
99 46.7 39.6 59.4

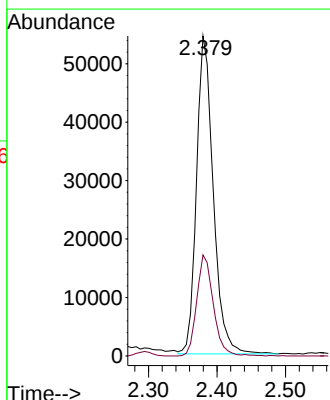
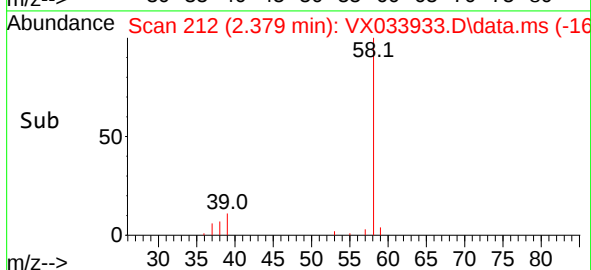
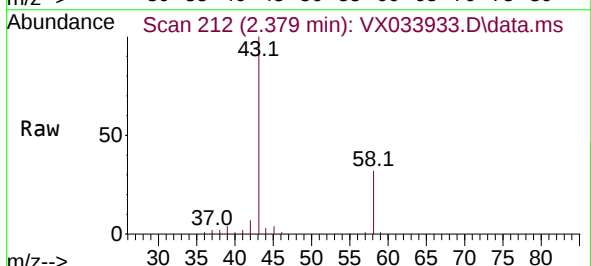
Manual Integrations
APPROVED

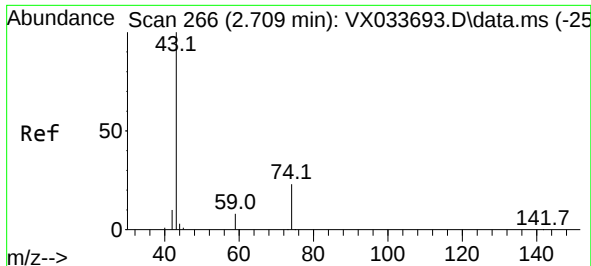
Reviewed By :John Carlone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023



#16
Acetone
Concen: 143.113 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.019 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

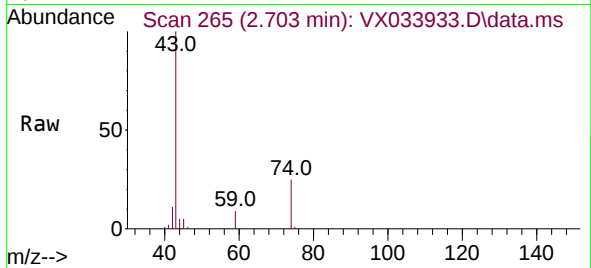
Tgt Ion: 43 Resp: 92680
Ion Ratio Lower Upper
43 100
58 31.8 22.6 33.8





#18
Methyl Acetate
Concen: 11.104 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

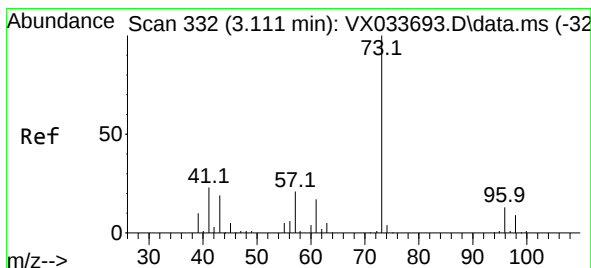
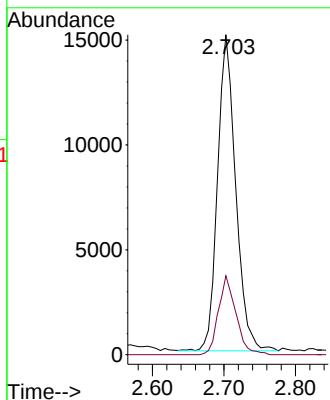
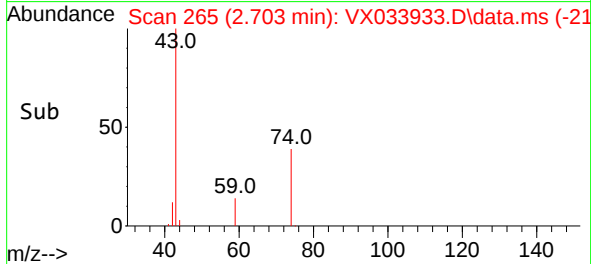
Instrument :
MSVOA_X
ClientSampleId :
33903



Tgt Ion: 43 Resp: 26628
Ion Ratio Lower Upper
43 100
74 24.0 18.2 27.4

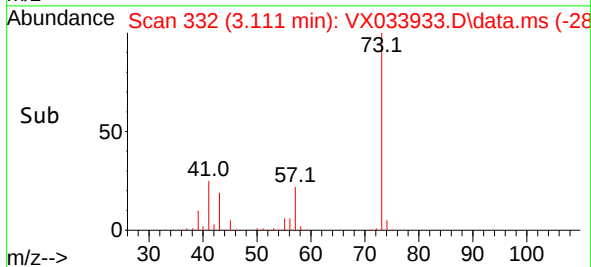
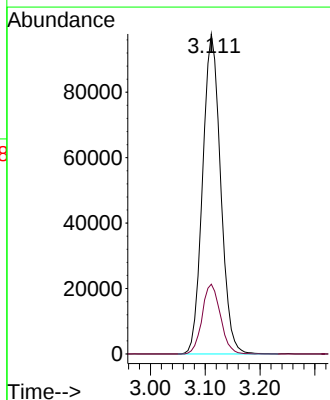
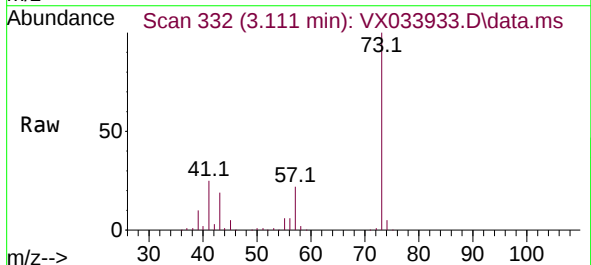
Manual Integrations
APPROVED

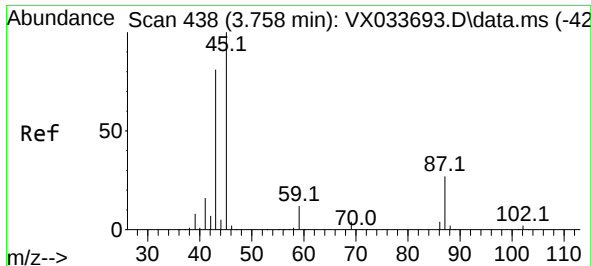
Reviewed By :John Carlone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023



#19
Methyl tert-butyl Ether
Concen: 48.283 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

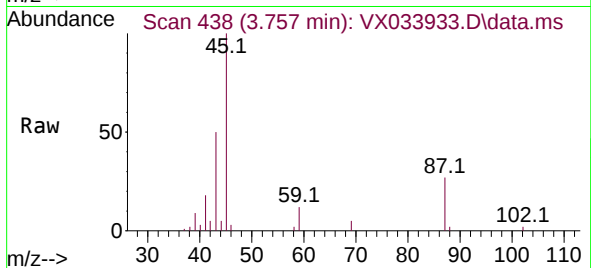
Tgt Ion: 73 Resp: 222691
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0





#22
Diisopropyl ether
Concen: 4.918 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

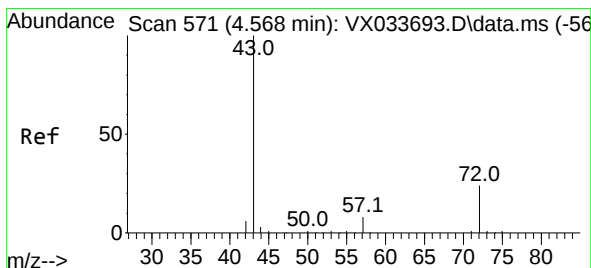
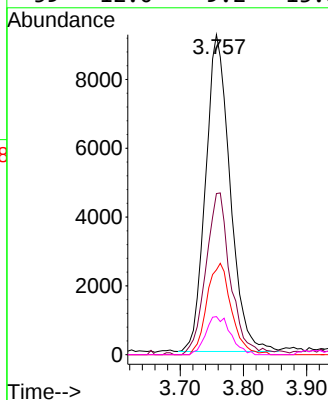
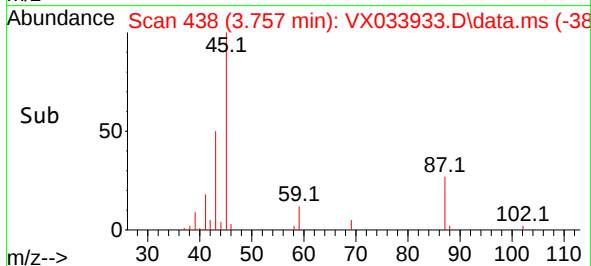
Instrument :
MSVOA_X
ClientSampleId :
33903



Tgt Ion: 45 Resp: 2478
Ion Ratio Lower Upper
45 100
43 50.9 64.6 97.0
87 26.8 21.9 32.9
59 12.0 9.2 13.8

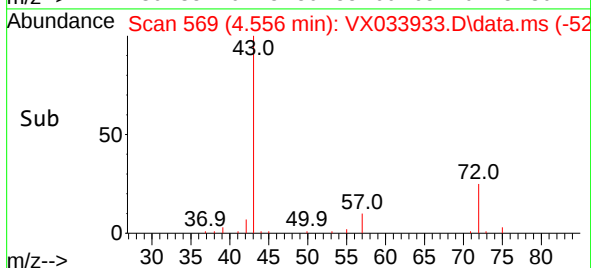
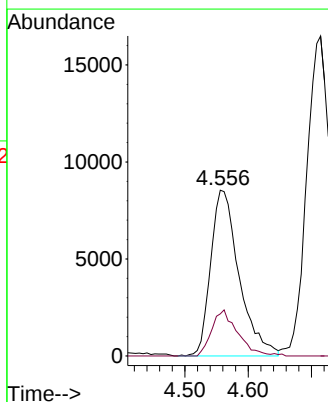
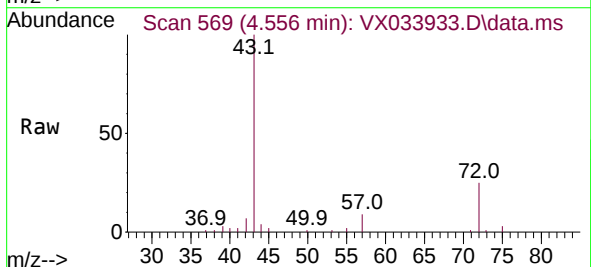
Manual Integrations
APPROVED

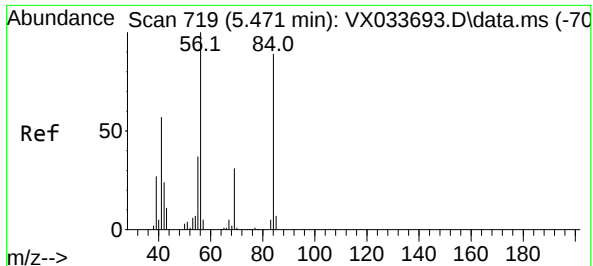
Reviewed By :John Carlone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023



#25
2-Butanone
Concen: 23.735 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.012 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

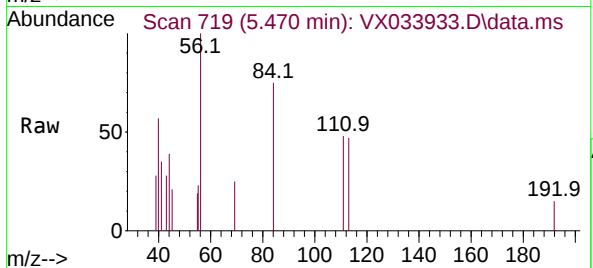
Tgt Ion: 43 Resp: 26649
Ion Ratio Lower Upper
43 100
72 25.4 19.4 29.2





#31
Cyclohexane
Concen: 0.333 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

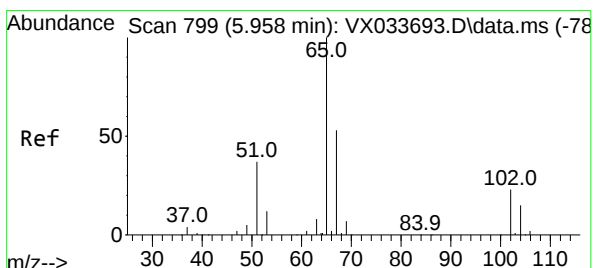
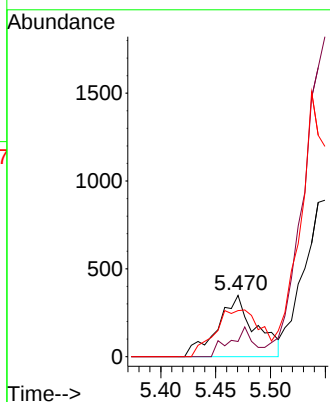
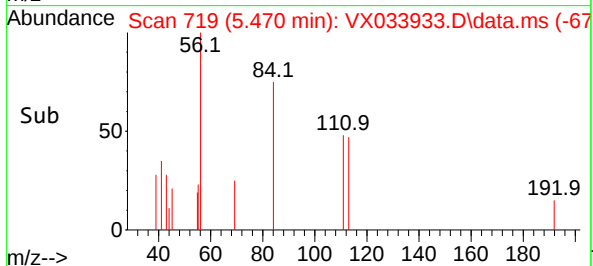
Instrument :
MSVOA_X
ClientSampleId :
33903



Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
69 24.6 24.6 37.0
84 75.1 71.0 106.6

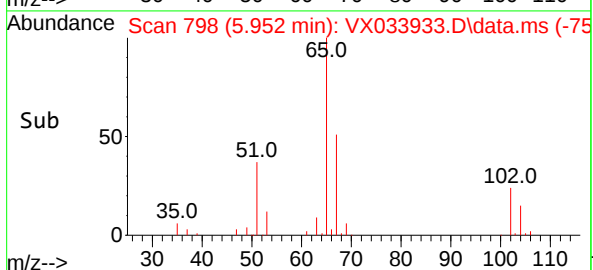
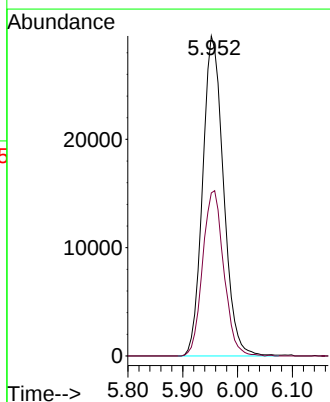
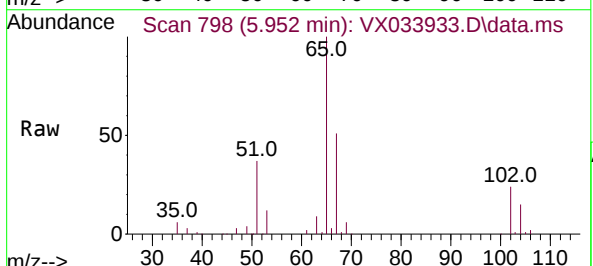
Manual Integrations
APPROVED

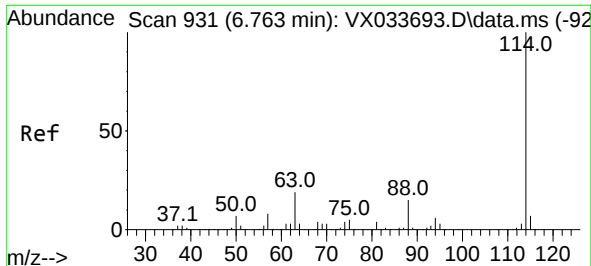
Reviewed By :John Carlone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023



#33
1,2-Dichloroethane-d4
Concen: 45.451 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Tgt Ion: 65 Resp: 78102
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8





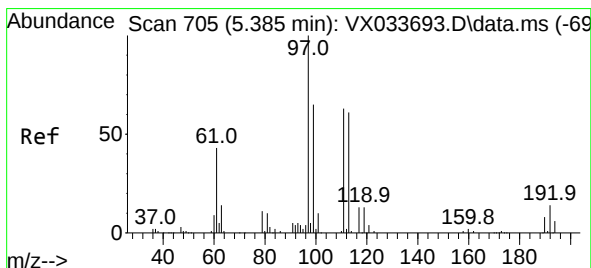
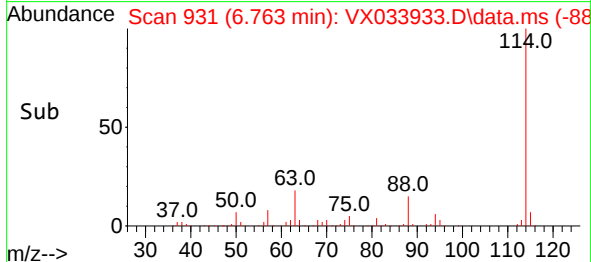
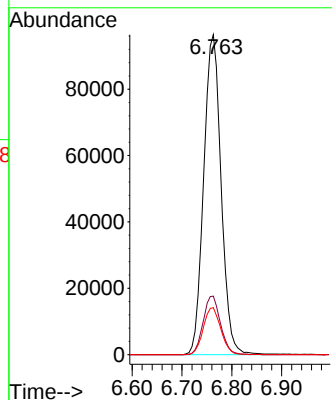
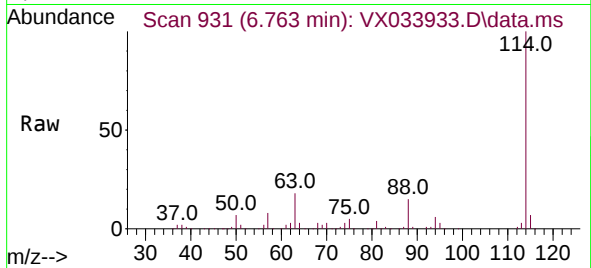
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Instrument :
MSVOA_X
ClientSampleId :
33903

Tgt Ion:114 Resp: 23398
Ion Ratio Lower Upper
114 100
63 18.3 0.0 37.4
88 14.7 0.0 30.6

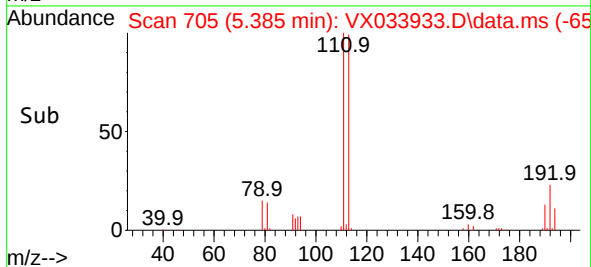
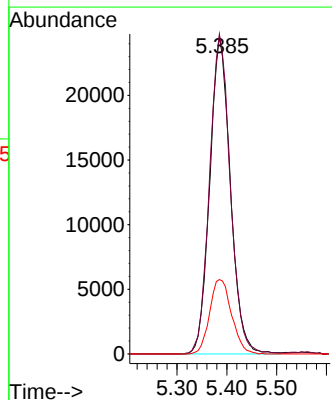
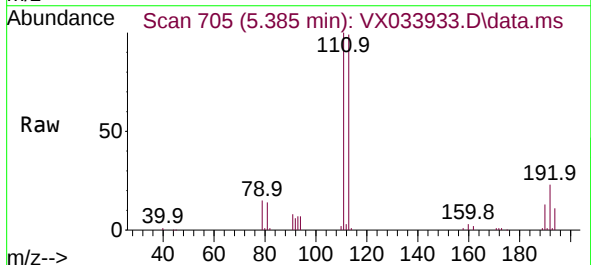
Manual Integrations
APPROVED

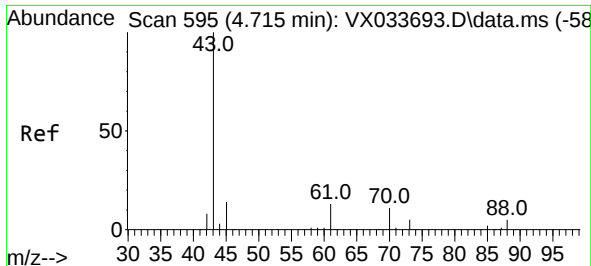
Reviewed By :John Carlone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023



#35
Dibromofluoromethane
Concen: 48.541 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Tgt Ion:113 Resp: 70525
Ion Ratio Lower Upper
113 100
111 101.3 83.0 124.6
192 24.9 19.0 28.4





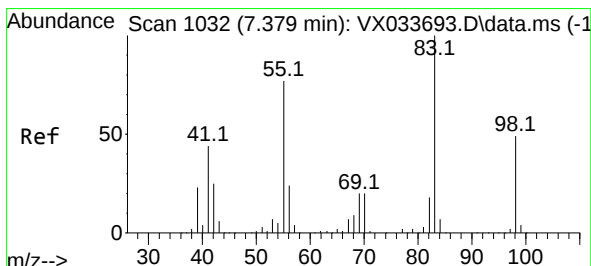
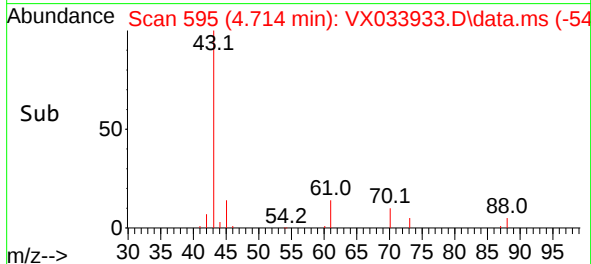
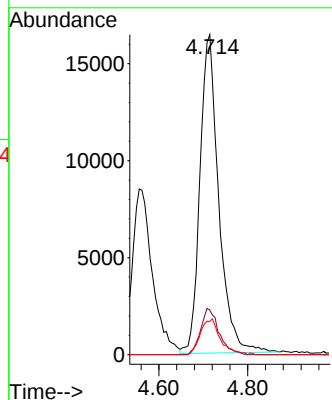
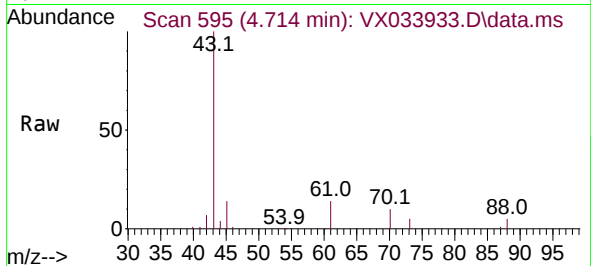
#37
Ethyl Acetate
Concen: 22.386 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.001 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Instrument :
MSVOA_X
ClientSampleId :
33903

Tgt Ion: 43 Resp: 4848
Ion Ratio Lower Upper
43 100
61 14.2 11.1 16.7
70 11.6 8.5 12.7

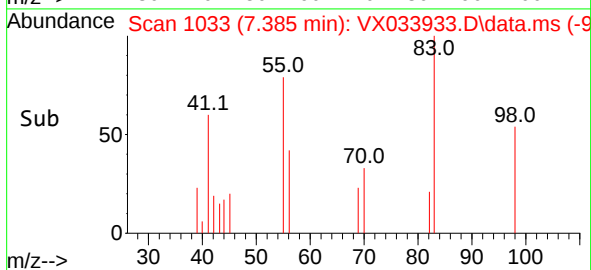
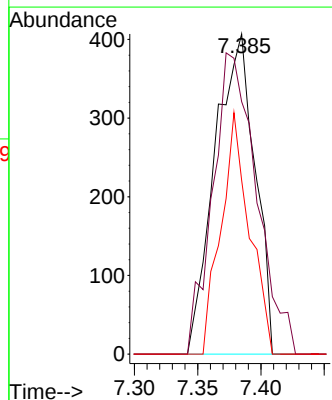
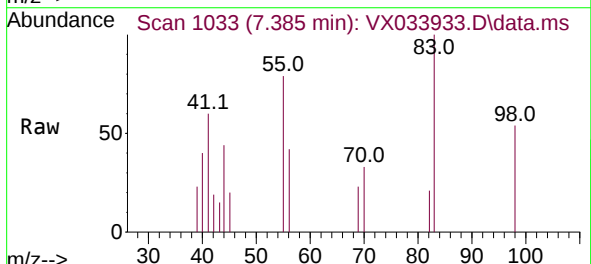
Manual Integrations
APPROVED

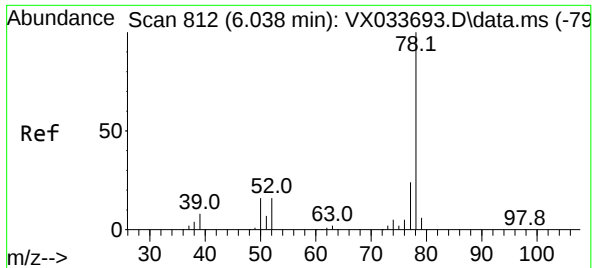
Reviewed By :John Carlone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023



#39
Methylcyclohexane
Concen: 0.343 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Tgt Ion: 83 Resp: 899
Ion Ratio Lower Upper
83 100
55 78.9 61.8 92.6
98 54.3 39.3 58.9





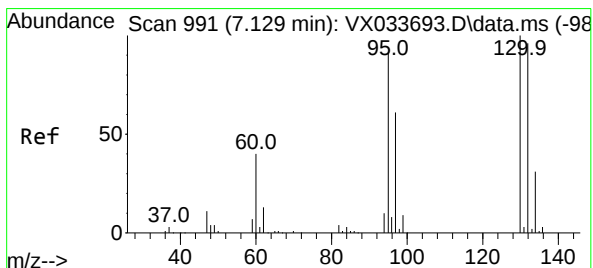
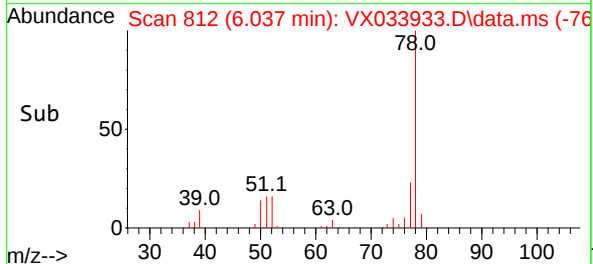
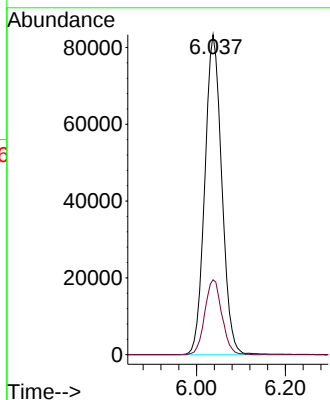
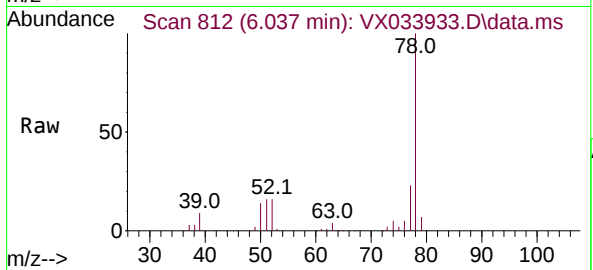
#40
Benzene
Concen: 35.842 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Instrument :
MSVOA_X
ClientSampleId :
33903

Tgt Ion: 78 Resp: 221528
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

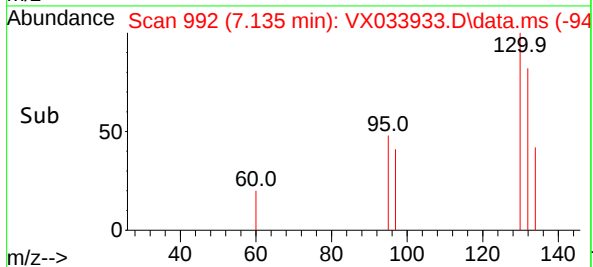
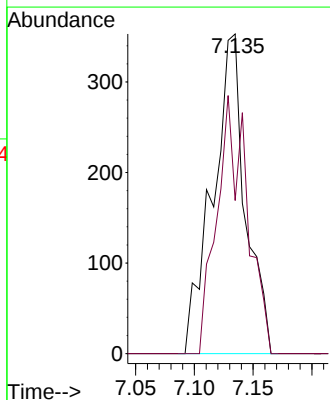
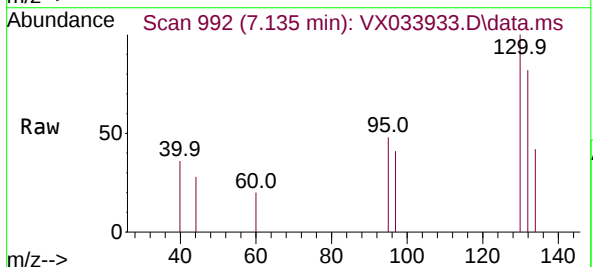
Manual Integrations
APPROVED

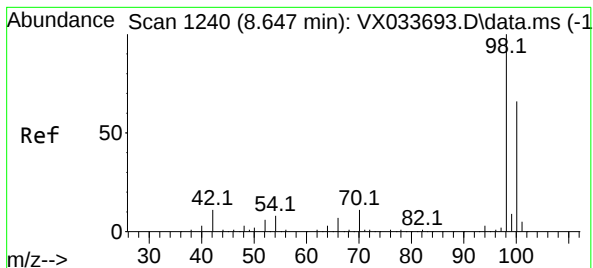
Reviewed By :John Carlone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023



#44
Trichloroethene
Concen: 0.396 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Tgt Ion:130 Resp: 685
Ion Ratio Lower Upper
130 100
95 47.9 0.0 182.6





#50

Toluene-d8

Concen: 50.412 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033933.D

Acq: 27 Jan 2023 13:28

Instrument :

MSVOA_X

ClientSampleId :

33903

Tgt Ion: 98 Resp: 266864

Ion Ratio Lower Upper

98 100

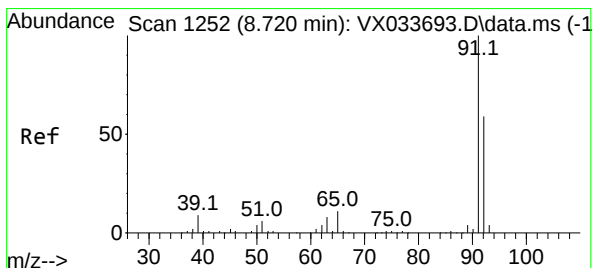
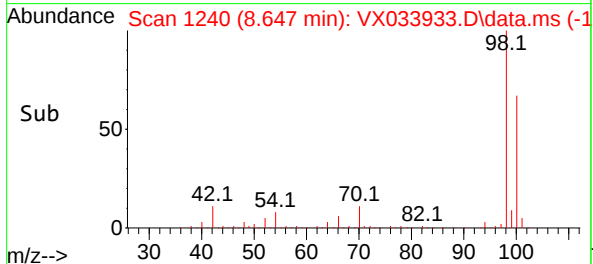
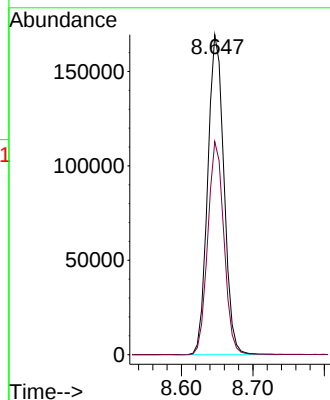
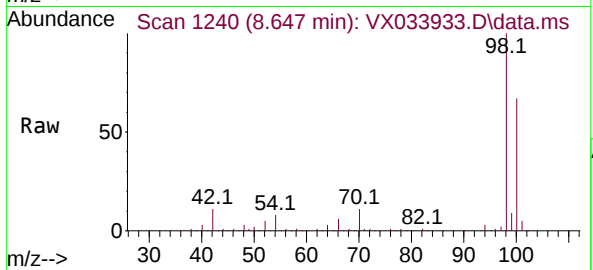
100 66.4 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/30/2023

Supervised By :Semsettin Yesilyurt 01/30/2023



#52

Toluene

Concen: 39.121 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX033933.D

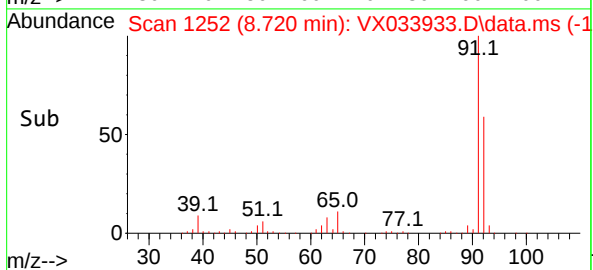
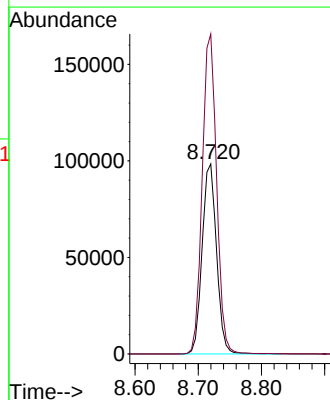
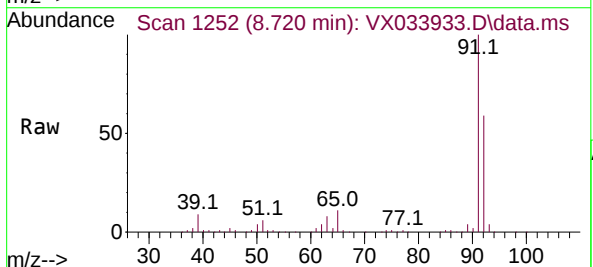
Acq: 27 Jan 2023 13:28

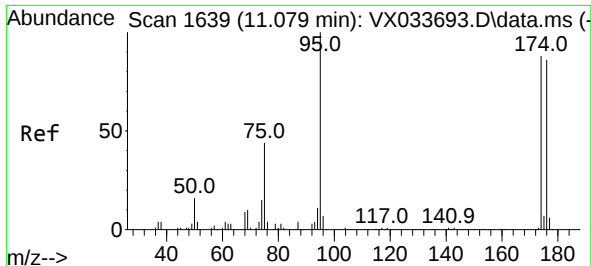
Tgt Ion: 92 Resp: 156145

Ion Ratio Lower Upper

92 100

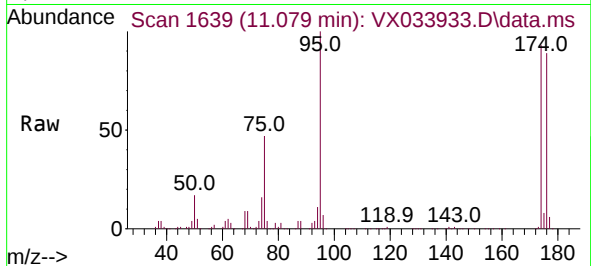
91 168.0 135.5 203.3





#62
4-Bromofluorobenzene
Concen: 48.277 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

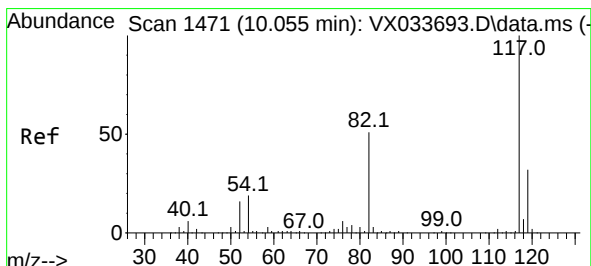
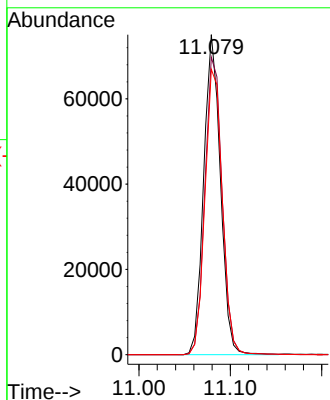
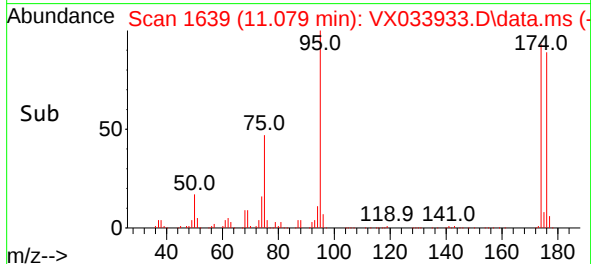
Instrument :
MSVOA_X
ClientSampleId :
33903



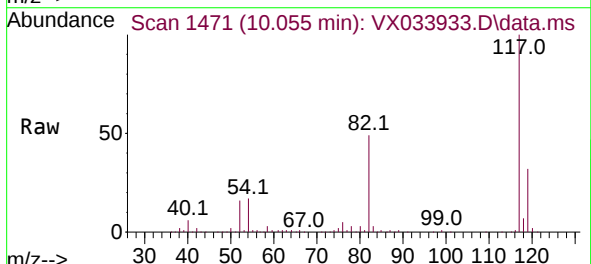
Tgt Ion: 95 Resp: 9488
Ion Ratio Lower Upper
95 100
174 96.1 0.0 184.4
176 93.1 0.0 178.8

Manual Integrations
APPROVED

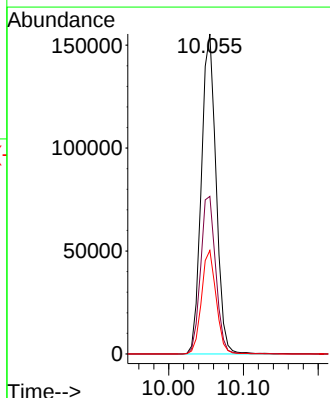
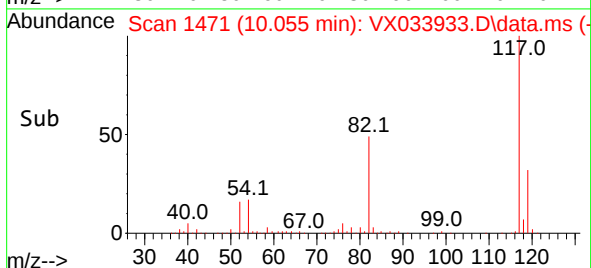
Reviewed By :John Carlone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023

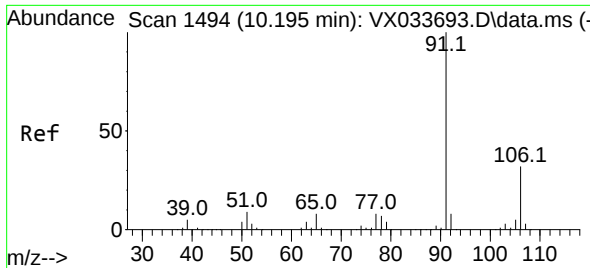


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28



Tgt Ion:117 Resp: 212731
Ion Ratio Lower Upper
117 100
82 49.2 40.6 60.8
119 32.4 25.6 38.4





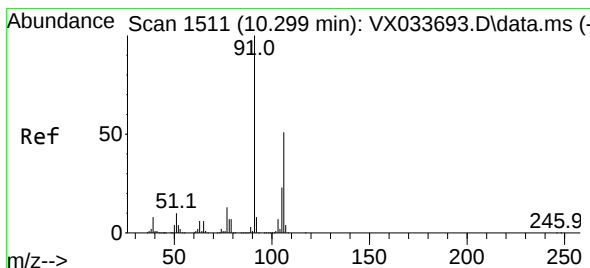
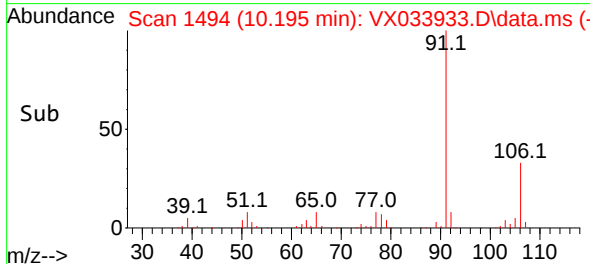
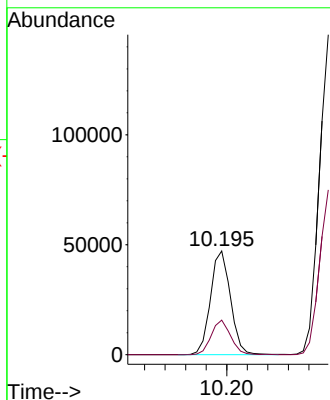
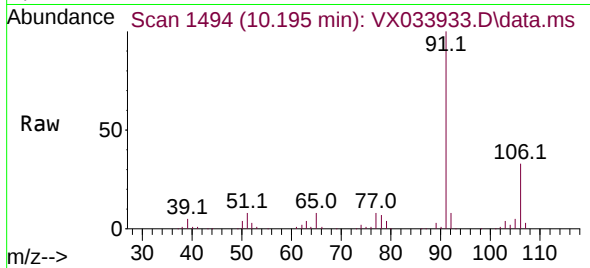
#67
Ethyl Benzene
Concen: 8.410 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Instrument :
MSVOA_X
ClientSampleId :
33903

Tgt Ion: 91 Resp: 63588
Ion Ratio Lower Upper
91 100
106 33.3 25.8 38.8

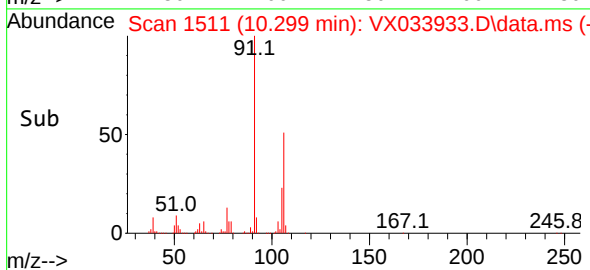
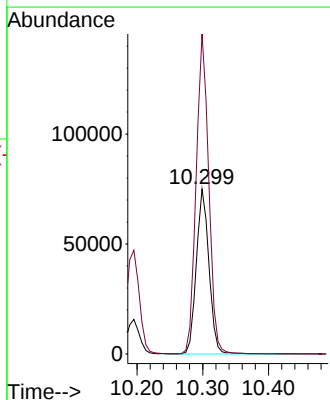
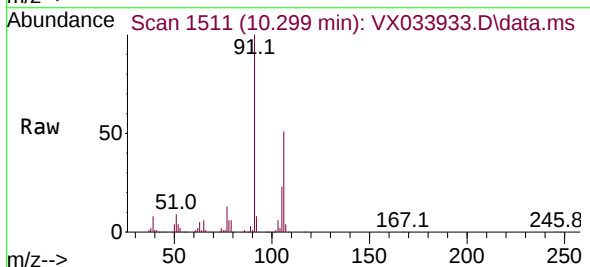
Manual Integrations
APPROVED

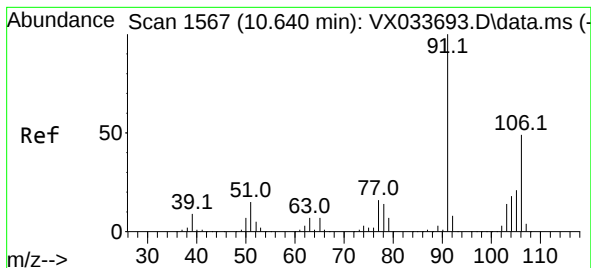
Reviewed By :John Carlone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023



#68
m/p-Xylenes
Concen: 33.662 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Tgt Ion:106 Resp: 99556
Ion Ratio Lower Upper
106 100
91 193.2 156.4 234.6





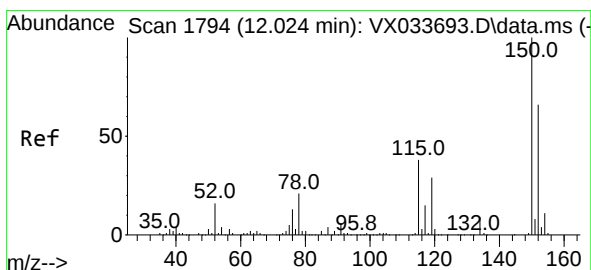
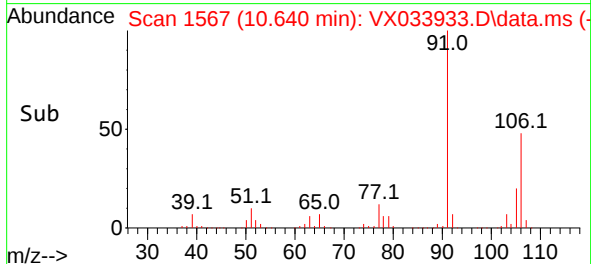
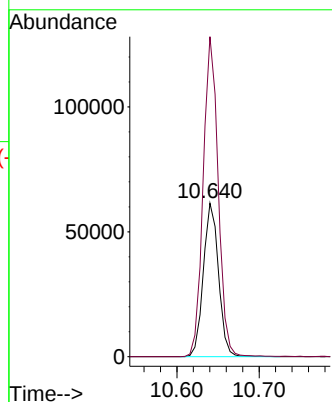
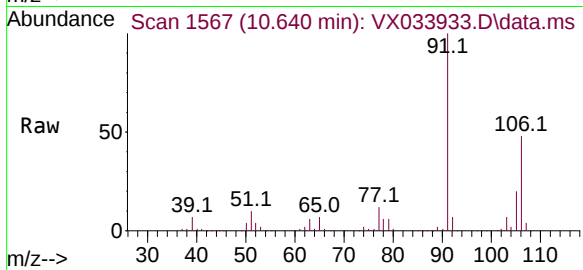
#69
o-Xylene
Concen: 26.835 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Instrument :
MSVOA_X
ClientSampleId :
33903

Tgt Ion:106 Resp: 78700
Ion Ratio Lower Upper
106 100
91 207.0 103.1 309.3

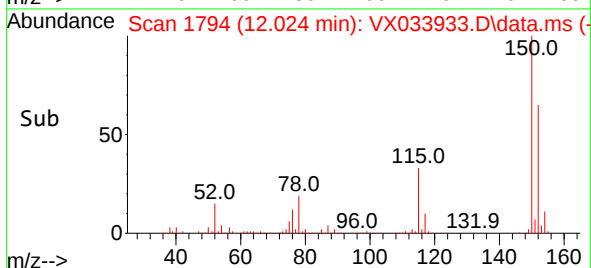
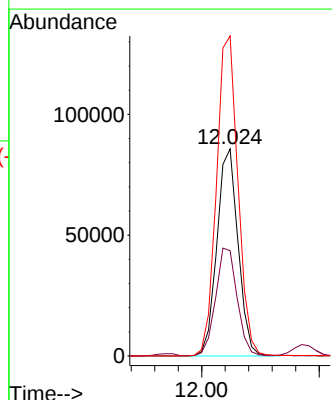
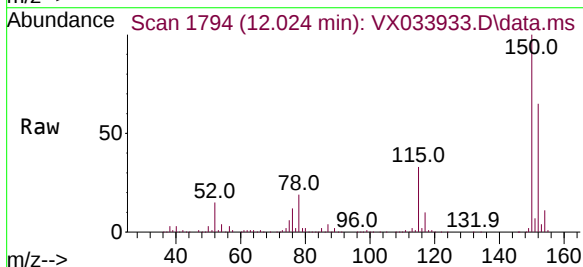
Manual Integrations
APPROVED

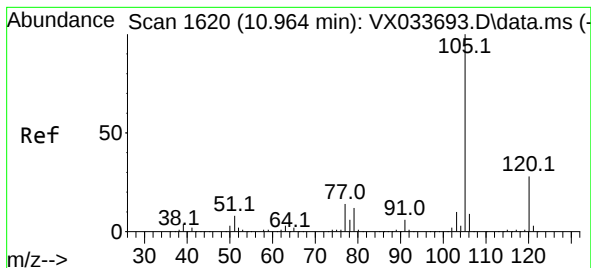
Reviewed By :John Carlone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Tgt Ion:152 Resp: 107211
Ion Ratio Lower Upper
152 100
115 52.7 38.7 116.1
150 157.2 0.0 348.2





#73

Isopropylbenzene

Concen: 3.659 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.001 min

Lab File: VX033933.D

Acq: 27 Jan 2023 13:28

Instrument :

MSVOA_X

ClientSampleId :

33903

Tgt Ion:105 Resp: 42240

Ion Ratio Lower Upper

105 100

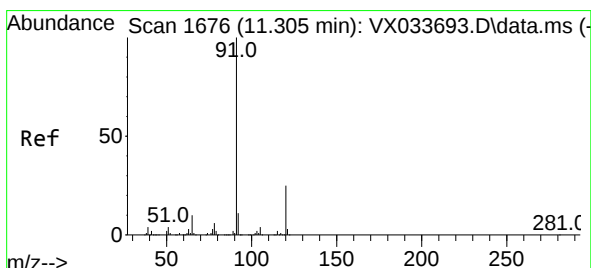
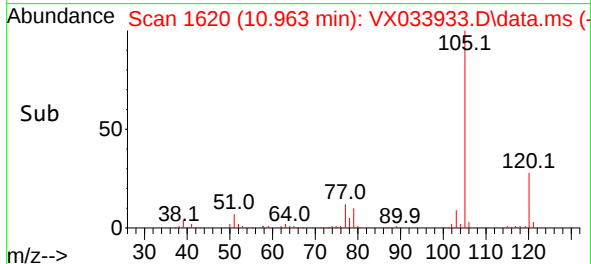
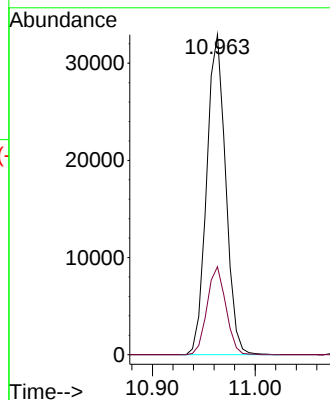
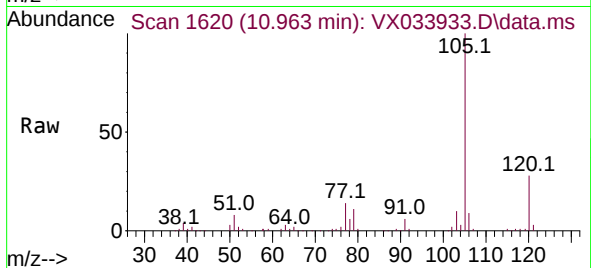
120 27.2 13.6 40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/30/2023

Supervised By :Semsettin Yesilyurt 01/30/2023



#78

n-propylbenzene

Concen: 4.264 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX033933.D

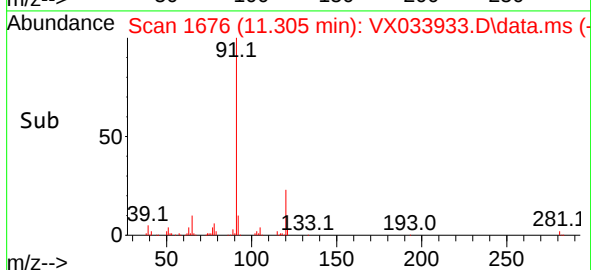
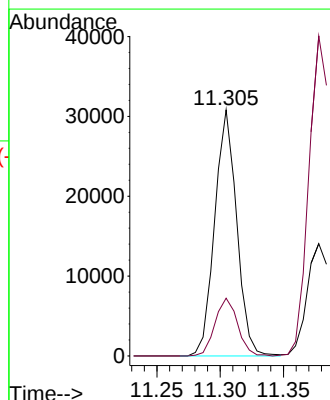
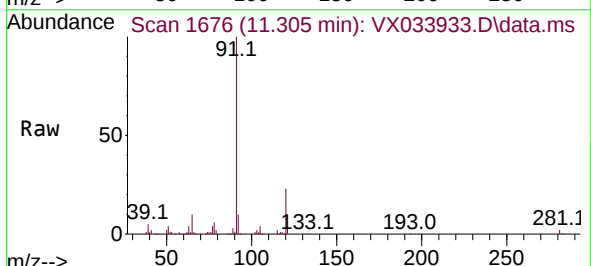
Acq: 27 Jan 2023 13:28

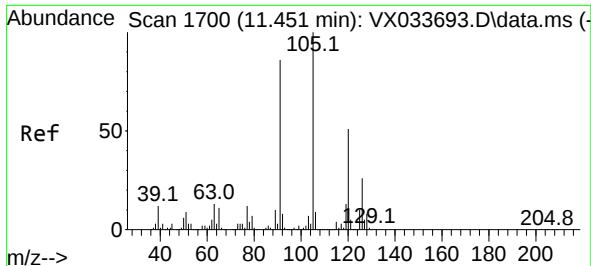
Tgt Ion: 91 Resp: 37307

Ion Ratio Lower Upper

91 100

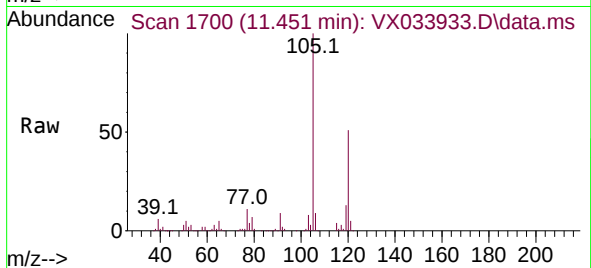
120 24.1 12.3 36.8





#80
1,3,5-Trimethylbenzene
Concen: 12.114 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

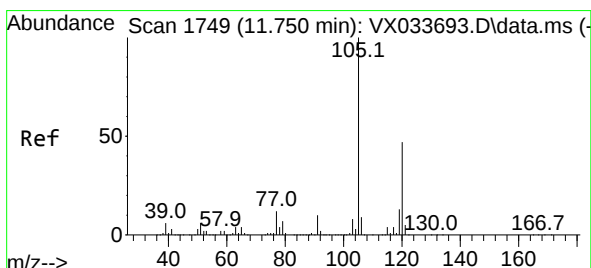
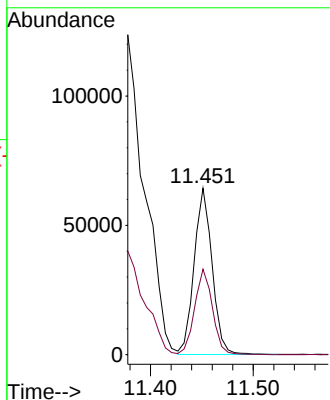
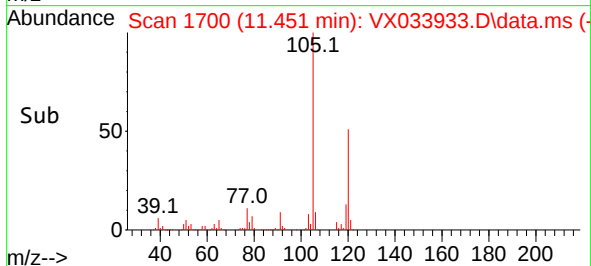
Instrument :
MSVOA_X
ClientSampleId :
33903



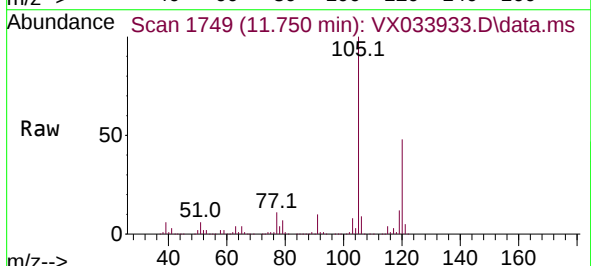
Tgt Ion:105 Resp: 78150
Ion Ratio Lower Upper
105 100
120 51.3 25.6 76.8

Manual Integrations
APPROVED

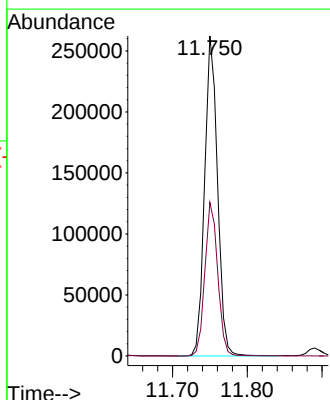
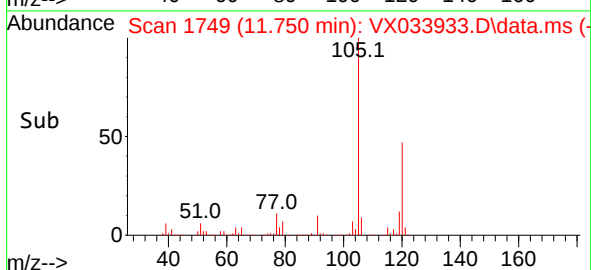
Reviewed By :John Carbone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023

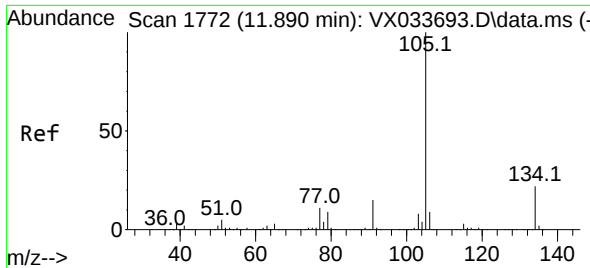


#84
1,2,4-Trimethylbenzene
Concen: 51.521 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28



Tgt Ion:105 Resp: 314406
Ion Ratio Lower Upper
105 100
120 47.9 23.4 70.2





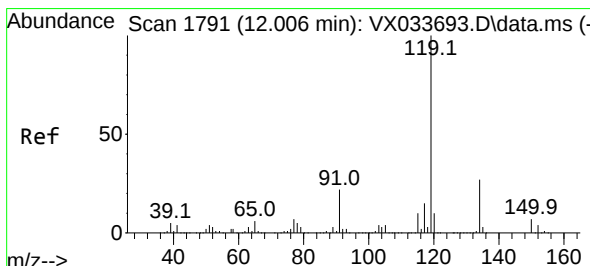
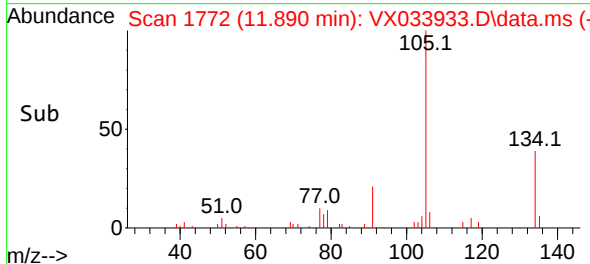
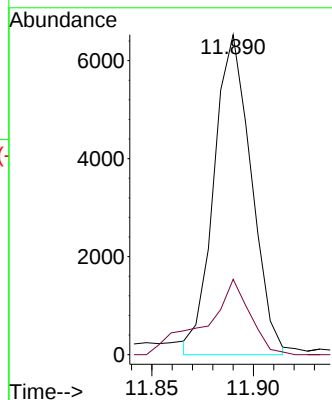
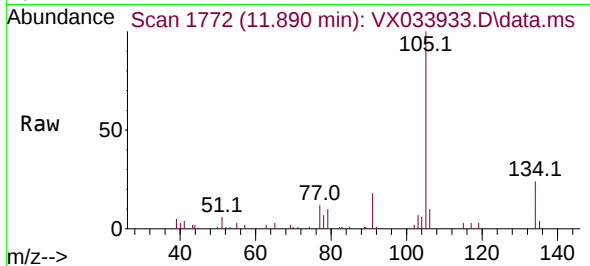
#85
 sec-Butylbenzene
 Concen: 1.086 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX033933.D
 Acq: 27 Jan 2023 13:28

Instrument :
 MSVOA_X
 ClientSampleId :
 33903

Tgt Ion:105 Resp: 8319
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.3

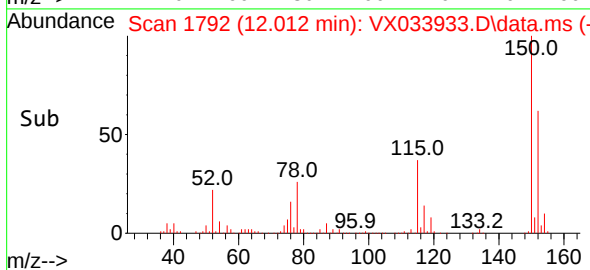
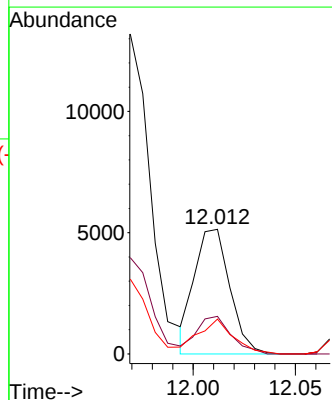
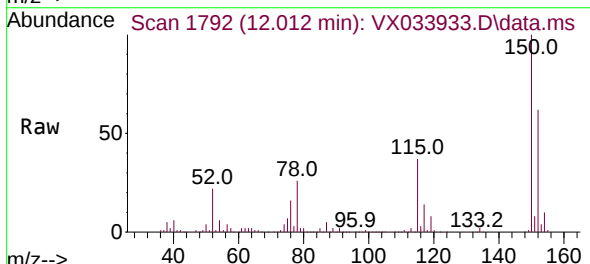
Manual Integrations
 APPROVED

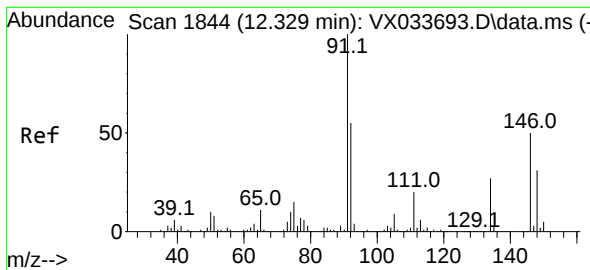
Reviewed By :John Carlone 01/30/2023
 Supervised By :Semsettin Yesilyurt 01/30/2023



#86
 p-Isopropyltoluene
 Concen: 0.945 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX033933.D
 Acq: 27 Jan 2023 13:28

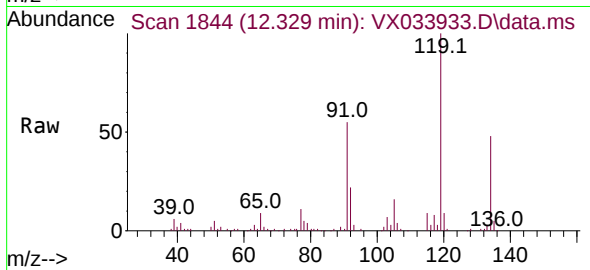
Tgt Ion:119 Resp: 6198
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.6 40.8#
 91 0.0 11.0 33.0#





#89
n-Butylbenzene
Concen: 4.155 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

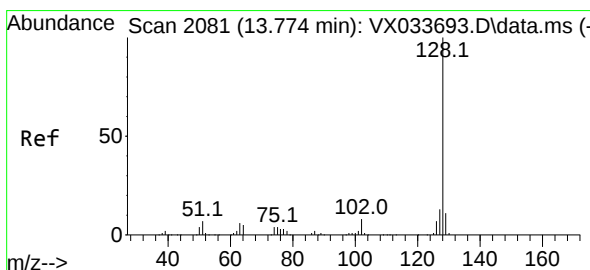
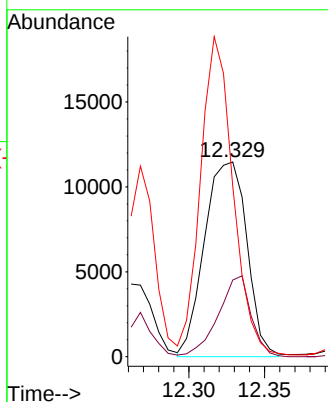
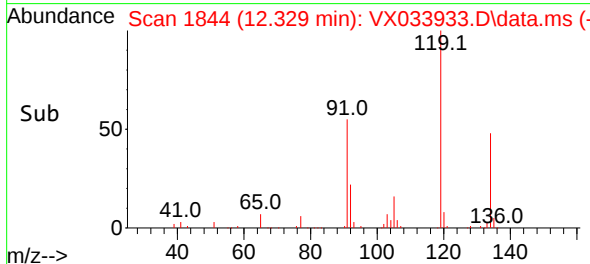
Instrument :
MSVOA_X
ClientSampleId :
33903



Tgt Ion: 91 Resp: 22299
Ion Ratio Lower Upper
91 100
92 0.0 27.5 82.5
134 0.0 14.3 42.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/30/2023
Supervised By :Semsettin Yesilyurt 01/30/2023



#95
Naphthalene
Concen: 34.121 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX033933.D
Acq: 27 Jan 2023 13:28

Tgt Ion:128 Resp: 231146
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.2 8.7 13.1

