

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012623\
 Data File : VX033919.D
 Acq On : 26 Jan 2023 19:01
 Operator : JC/MD
 Sample : 01321-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33902

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/27/2023
 Supervised By : Semsettin Yesilyurt 01/27/2023

Quant Time: Jan 27 06:57:05 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	162794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	236098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79016	46.098	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.200%		
35) Dibromofluoromethane	5.385	113	71620	48.853	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.700%		
50) Toluene-d8	8.647	98	270398	50.621	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.240%		
62) 4-Bromofluorobenzene	11.079	95	96972	48.896	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.800%		
Target Compounds					Qvalue	
16) Acetone	2.374	43	186666	302.251	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	61183	13.299	ug/l	91
22) Diisopropyl ether	3.751	45	17314	3.444	ug/l #	71
25) 2-Butanone	4.556	43	10578	9.445	ug/l	97
31) Cyclohexane	5.471	56	9911	3.929	ug/l #	91
39) Methylcyclohexane	7.379	83	4366	1.652	ug/l #	87
40) Benzene	6.038	78	993162	159.250	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	1489	0.718	ug/l #	84
52) Toluene	8.720	92	2855322	708.970	ug/l	95
67) Ethyl Benzene	10.195	91	764932	101.158	ug/l	99
68) m/p-Xylenes	10.299	106	1122393	379.483	ug/l	98
69) o-Xylene	10.640	106	631822	215.406	ug/l	99
73) Isopropylbenzene	10.964	105	60188	6.105	ug/l	99
78) n-propylbenzene	11.305	91	86204	9.599	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	167772	25.333	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	655007	104.557	ug/l	98
85) sec-Butylbenzene	11.890	105	4805m	0.611	ug/l	
86) p-Isopropyltoluene	12.006	119	4207m	0.625	ug/l	
95) Naphthalene	13.774	128	137987	19.842	ug/l	99

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

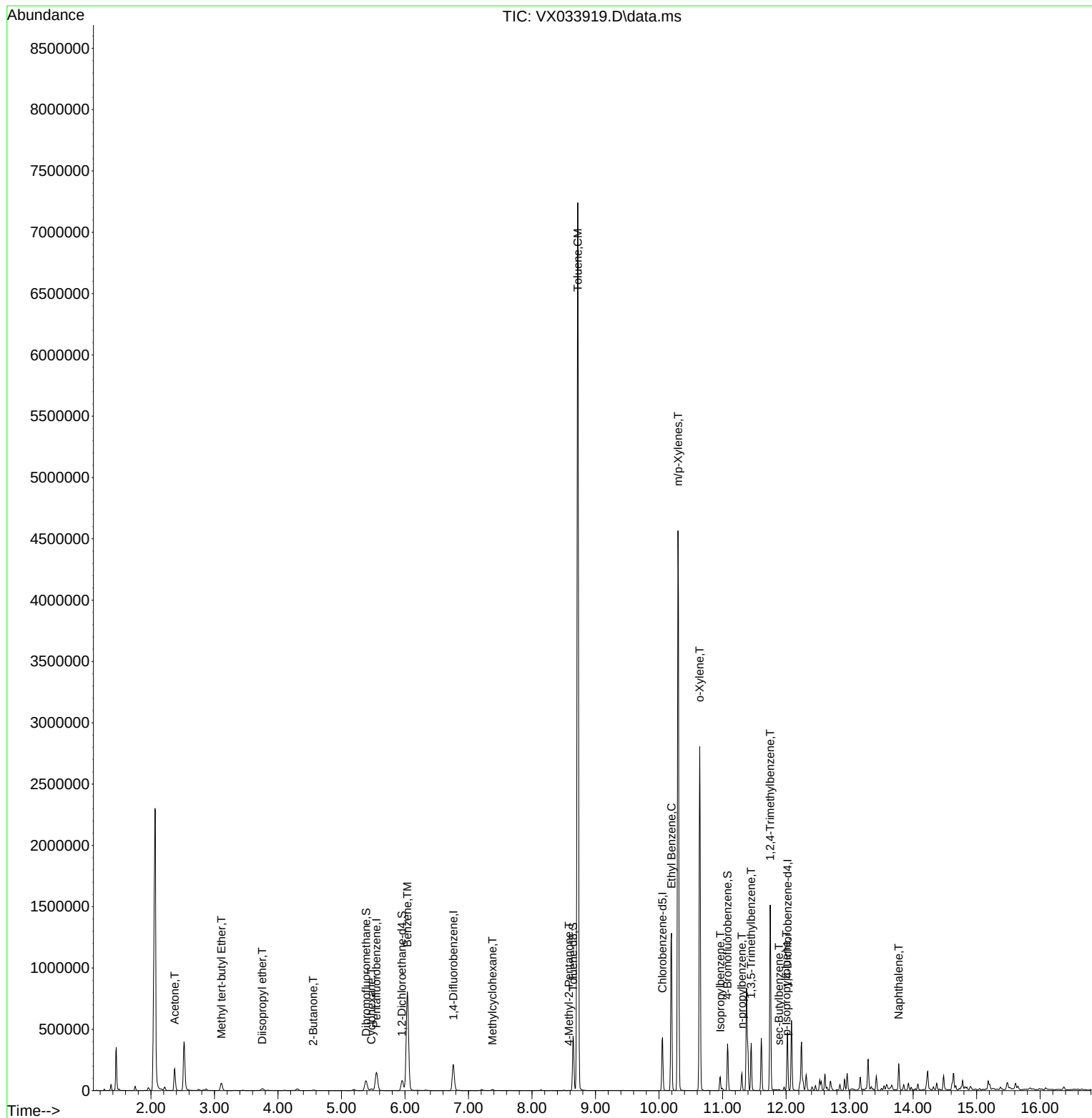
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012623\
Data File : VX033919.D
Acq On : 26 Jan 2023 19:01
Operator : JC/MD
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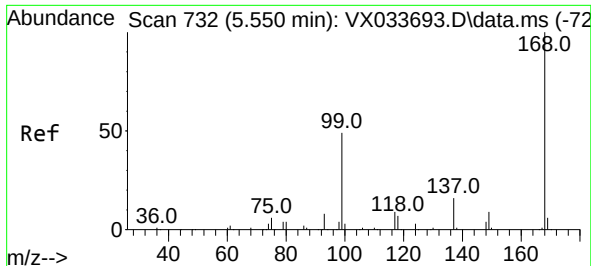
Instrument :
MSVOA_X
ClientSampleId :
33902

Quant Time: Jan 27 06:57:05 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

Manual Integrations
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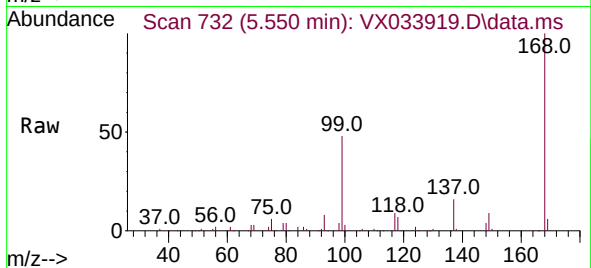
Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

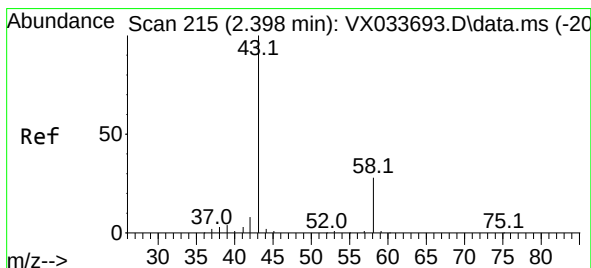
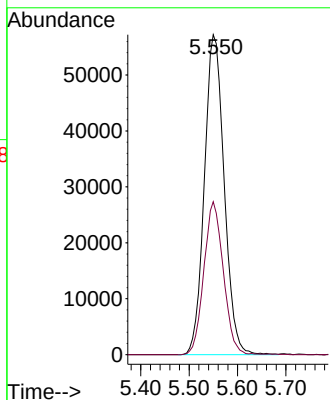
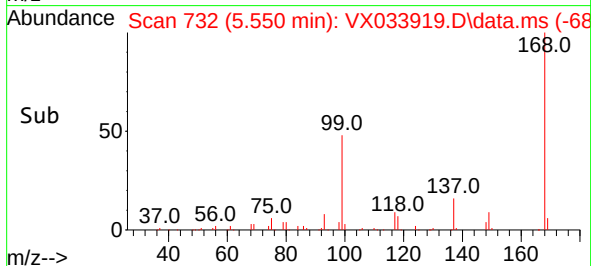
Instrument :
MSVOA_X
ClientSampleId :
33902



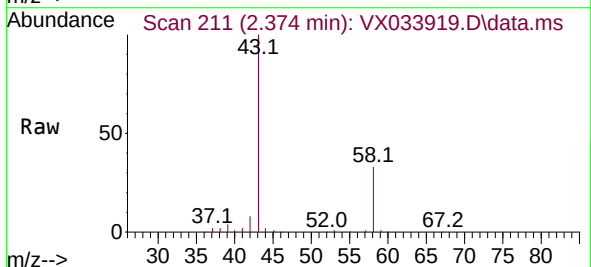
Tgt Ion:168 Resp: 162794
Ion Ratio Lower Upper
168 100
99 47.8 39.6 59.4

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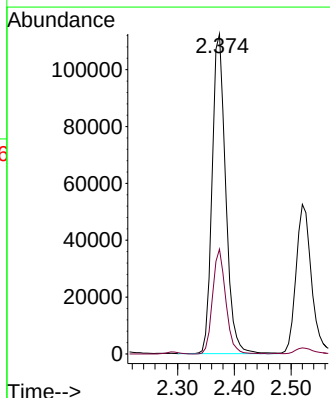
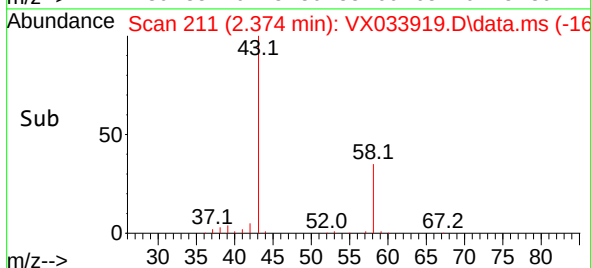
Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023

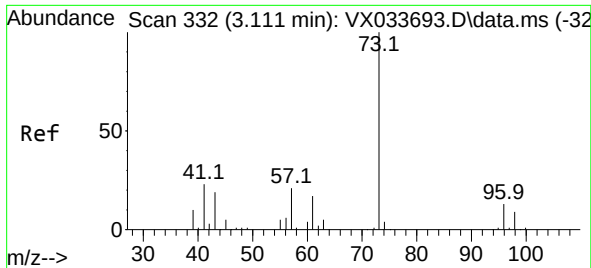


#16
Acetone
Concen: 302.251 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.024 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01



Tgt Ion: 43 Resp: 186666
Ion Ratio Lower Upper
43 100
58 32.6 22.6 33.8





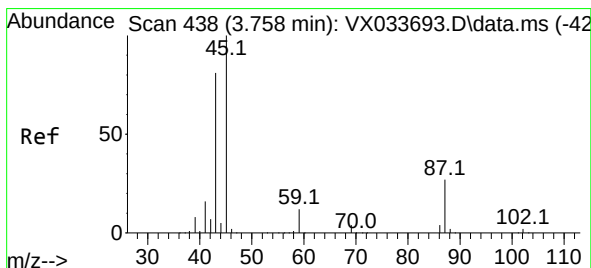
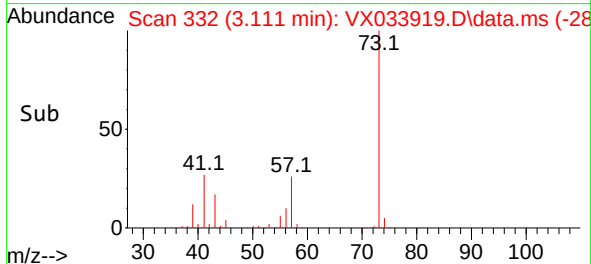
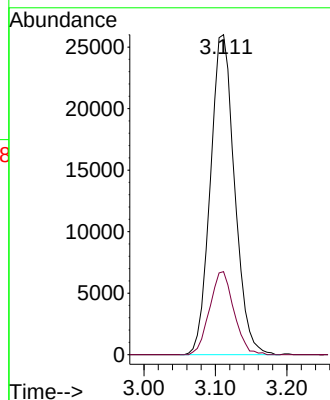
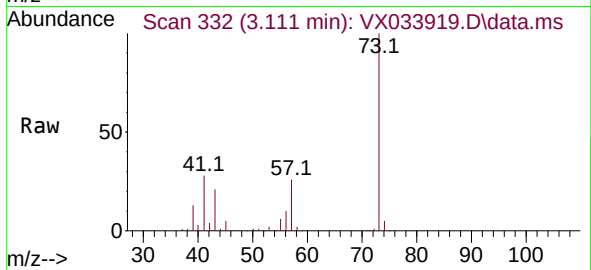
#19
Methyl tert-butyl Ether
Concen: 13.299 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
33902

Tgt Ion: 73 Resp: 6118
Ion Ratio Lower Upper
73 100
57 25.9 17.4 26.0

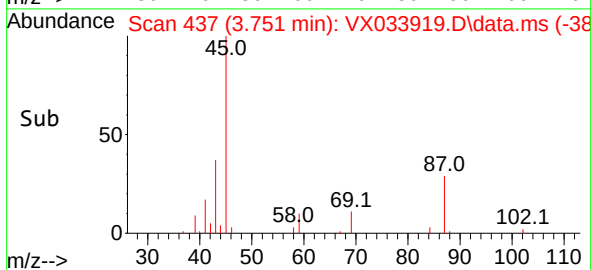
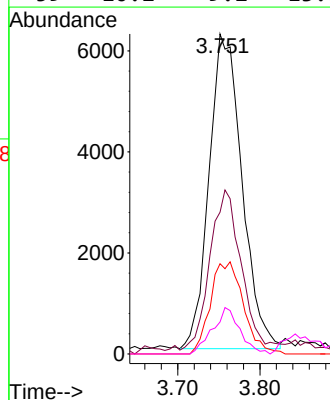
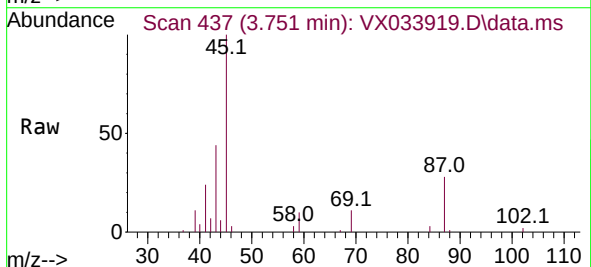
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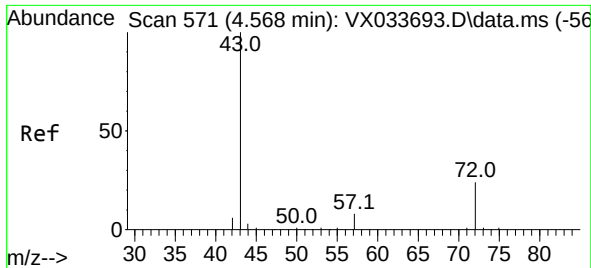
Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023



#22
Diisopropyl ether
Concen: 3.444 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

Tgt Ion: 45 Resp: 17314
Ion Ratio Lower Upper
45 100
43 43.9 64.6 97.0#
87 28.7 21.9 32.9
59 10.2 9.2 13.8





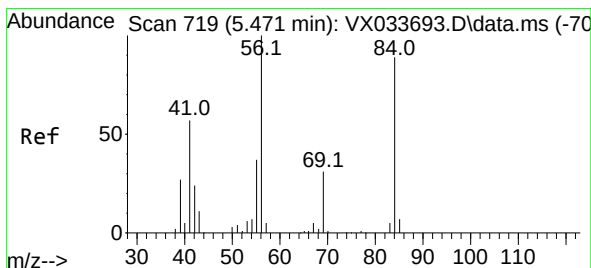
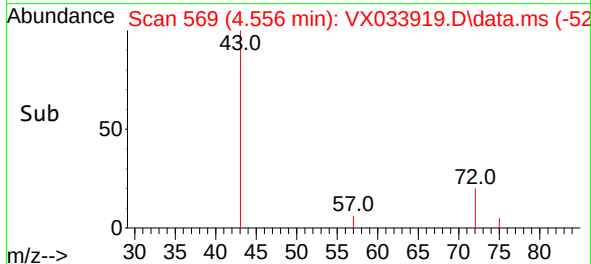
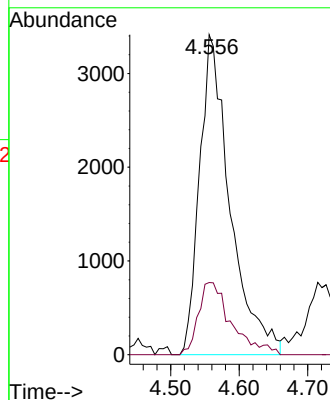
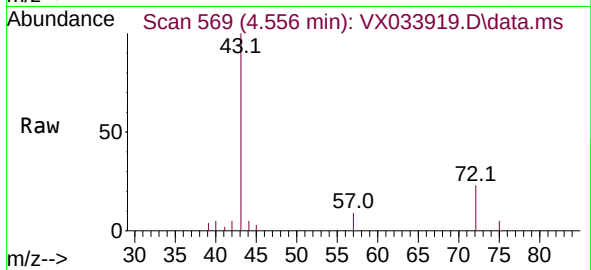
#25
2-Butanone
Concen: 9.445 ug/l
RT: 4.556 min Scan# 50
Delta R.T. -0.012 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
33902

Tgt Ion: 43 Resp: 10578
Ion Ratio Lower Upper
43 100
72 22.6 19.4 29.2

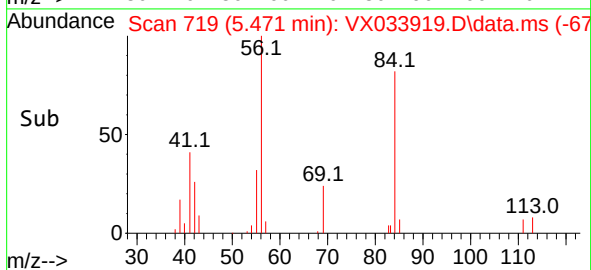
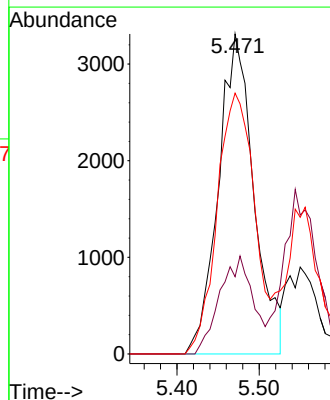
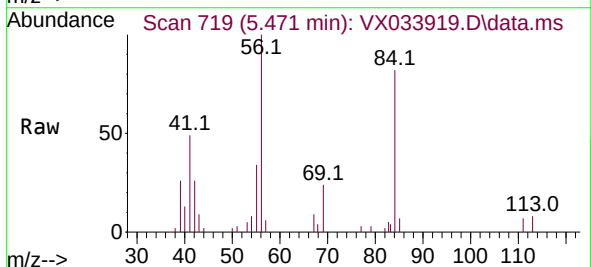
Manual Integrations
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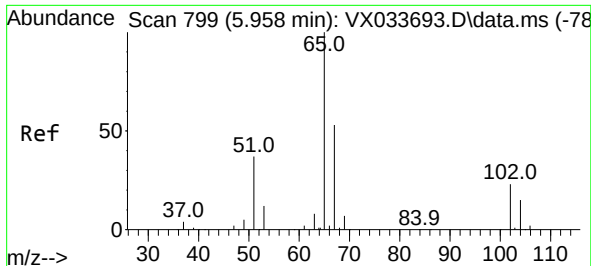
Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023



#31
Cyclohexane
Concen: 3.929 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

Tgt Ion: 56 Resp: 9911
Ion Ratio Lower Upper
56 100
69 24.2 24.6 37.0#
84 81.5 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 46.098 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033919.D

Acq: 26 Jan 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

33902

Tgt Ion: 65 Resp: 79010

Ion Ratio Lower Upper

65 100

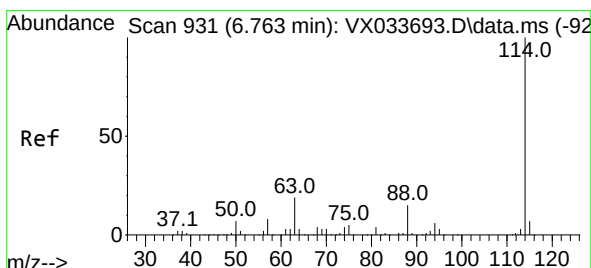
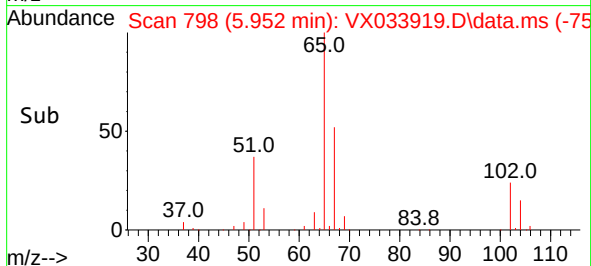
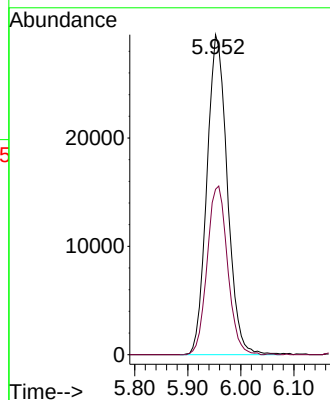
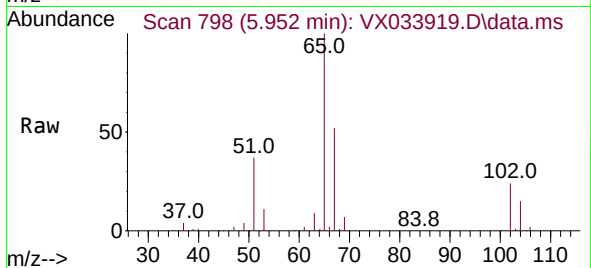
67 52.8 0.0 104.8

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/27/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033919.D

Acq: 26 Jan 2023 19:01

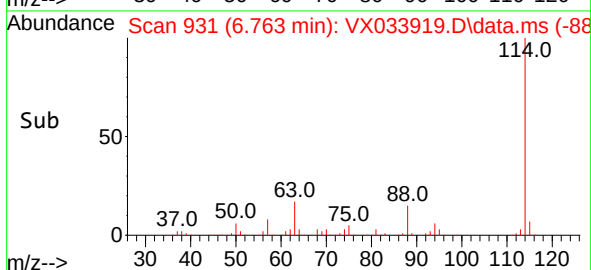
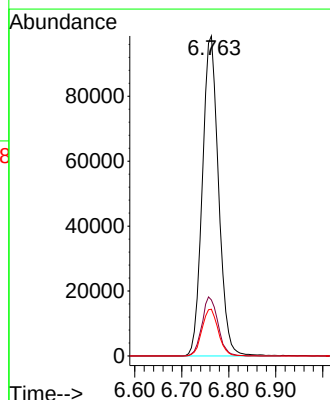
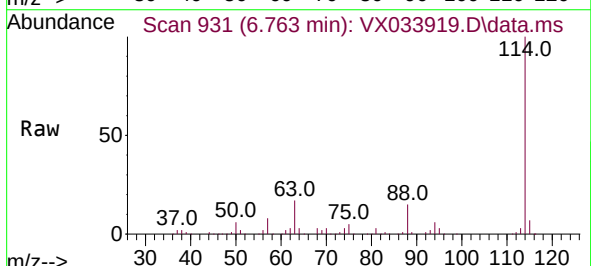
Tgt Ion:114 Resp: 236098

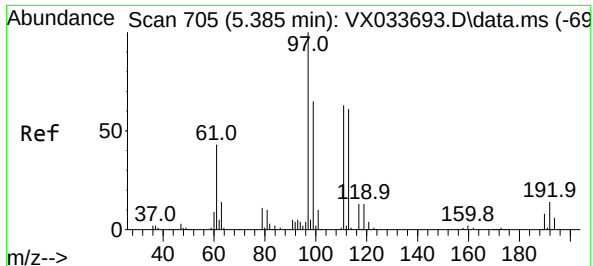
Ion Ratio Lower Upper

114 100

63 17.5 0.0 37.4

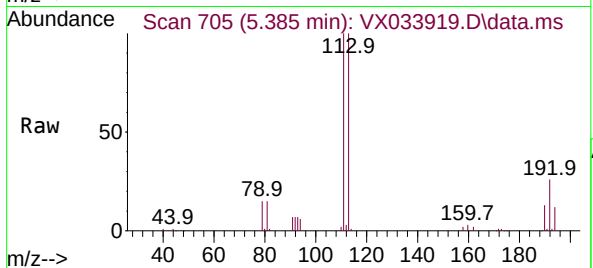
88 14.6 0.0 30.6





#35
Dibromofluoromethane
Concen: 48.853 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

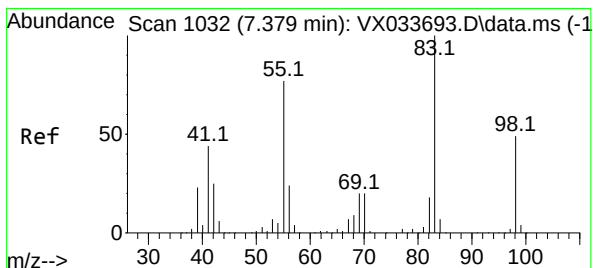
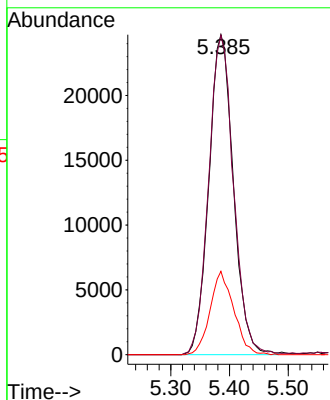
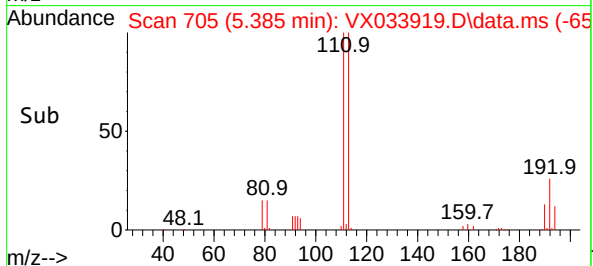
Instrument :
MSVOA_X
ClientSampleId :
33902



Tgt Ion: 113 Resp: 71620
Ion Ratio Lower Upper
113 100
111 101.1 83.0 124.6
192 25.2 19.0 28.4

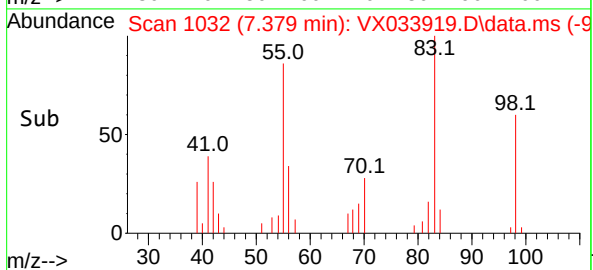
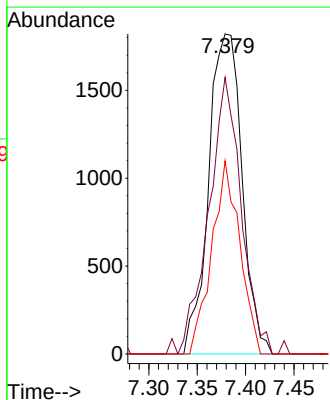
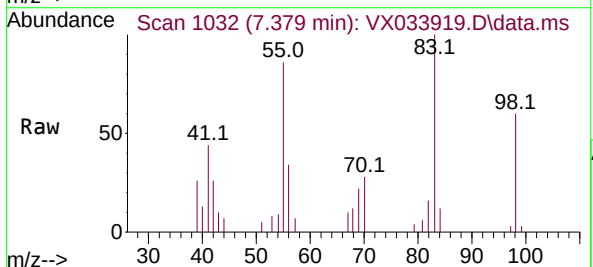
Manual Integrations
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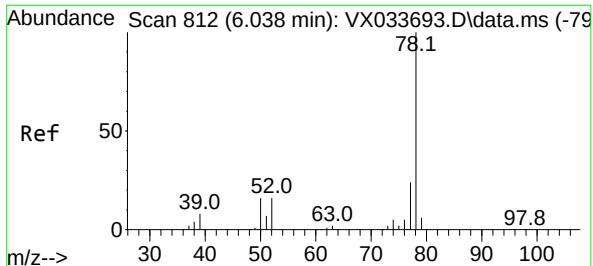
Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023



#39
Methylcyclohexane
Concen: 1.652 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

Tgt Ion: 83 Resp: 4366
Ion Ratio Lower Upper
83 100
55 86.4 61.8 92.6
98 60.4 39.3 58.9#





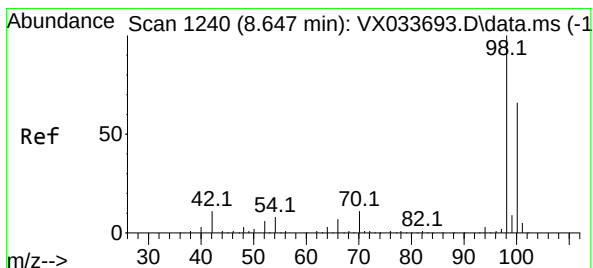
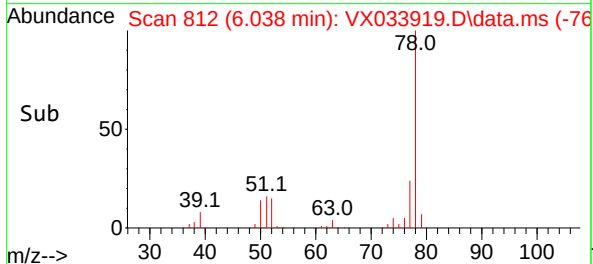
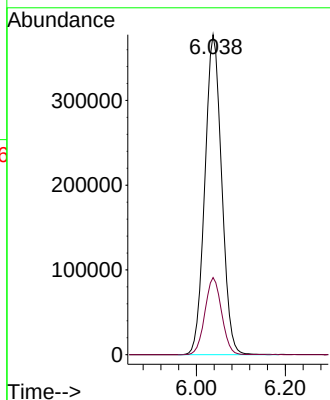
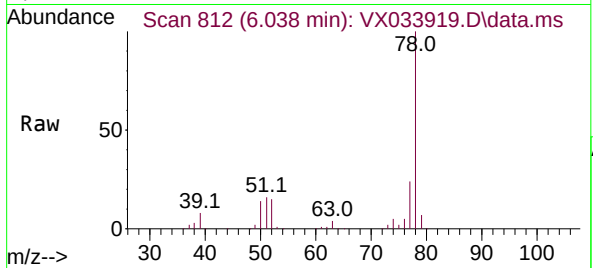
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Benzene
Concen: 159.250 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
33902

Tgt Ion: 78 Resp: 993162
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4

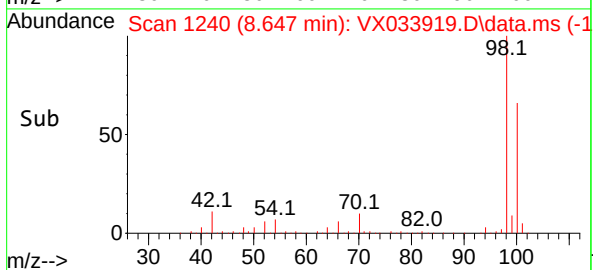
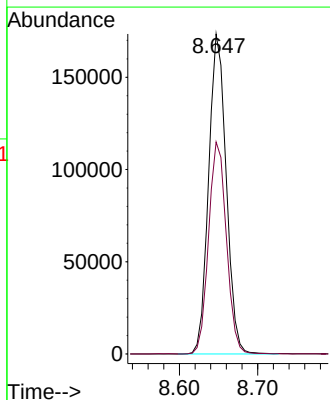
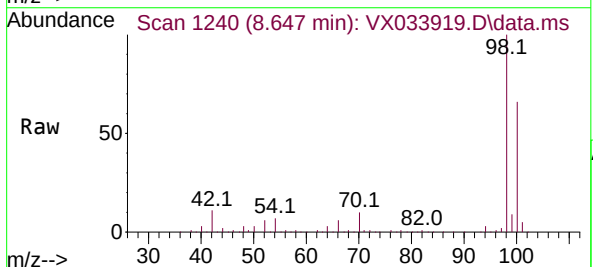
Manual Integrations
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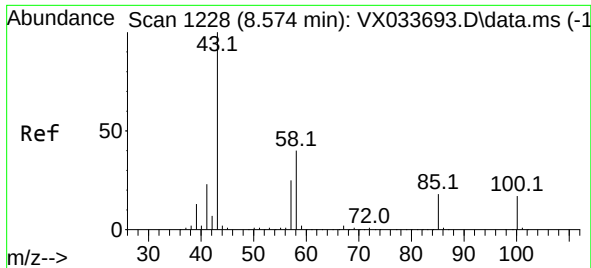
Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023



#50
Toluene-d8
Concen: 50.621 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

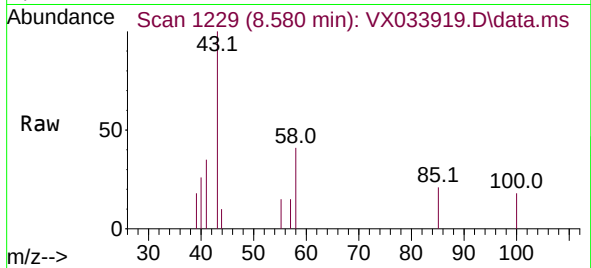
Tgt Ion: 98 Resp: 270398
Ion Ratio Lower Upper
98 100
100 67.1 53.6 80.4





#51
4-Methyl-2-Pentanone
Concen: 0.718 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

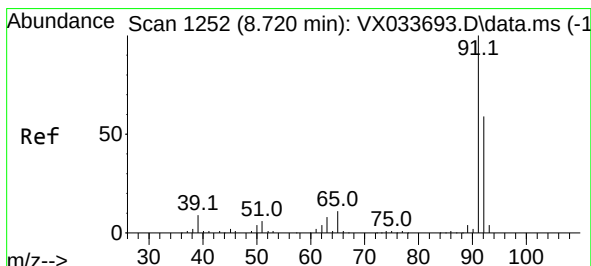
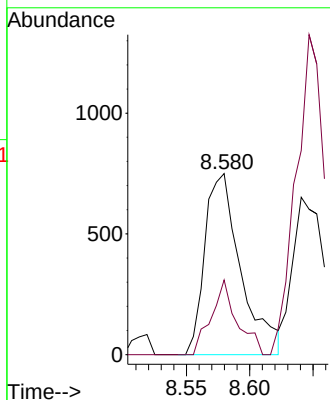
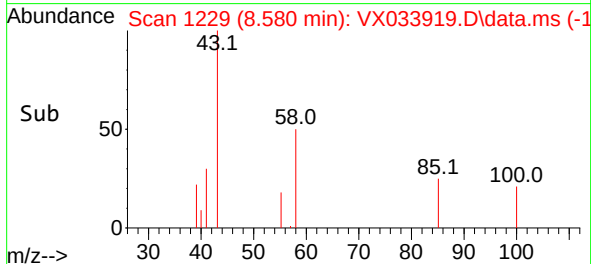
Instrument :
MSVOA_X
ClientSampleId :
33902



Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
58 29.5 31.2 46.8

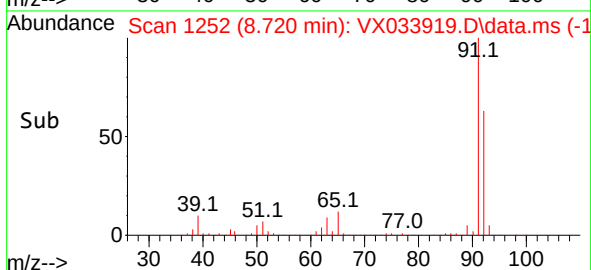
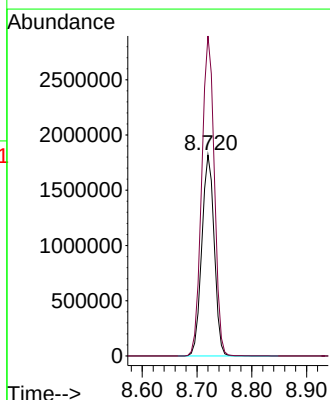
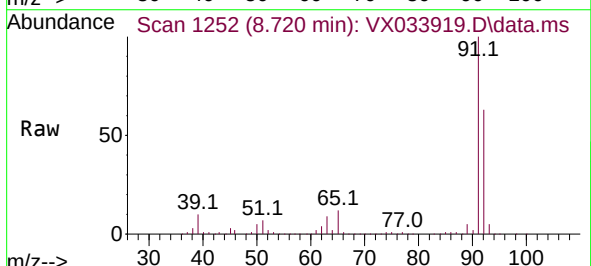
Manual Integrations
APPROVED

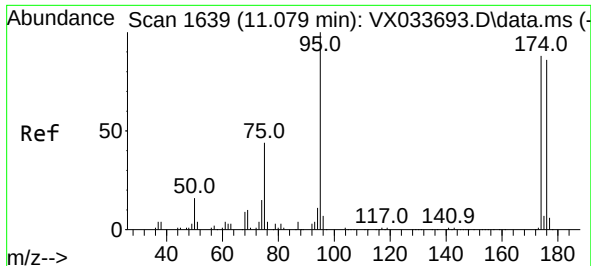
Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023



#52
Toluene
Concen: 708.970 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

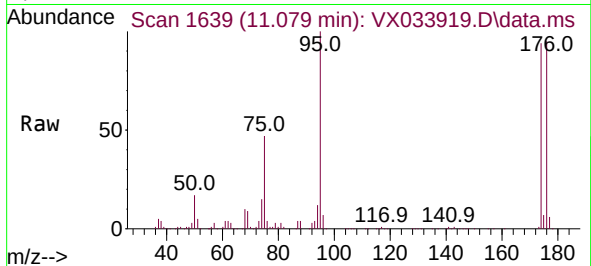
Tgt Ion: 92 Resp: 2855322
Ion Ratio Lower Upper
92 100
91 162.0 135.5 203.3





#62
4-Bromofluorobenzene
Concen: 48.896 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

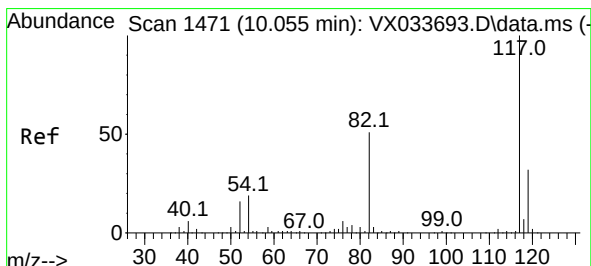
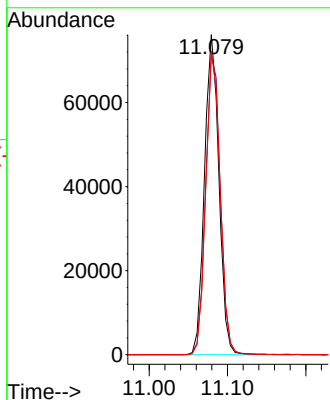
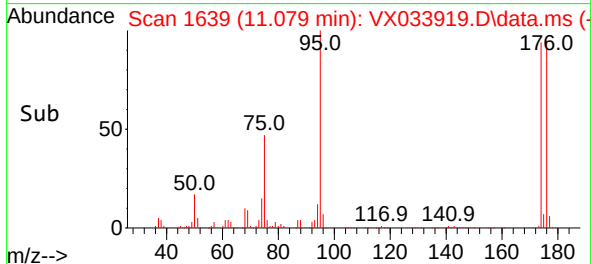
Instrument :
MSVOA_X
ClientSampleId :
33902



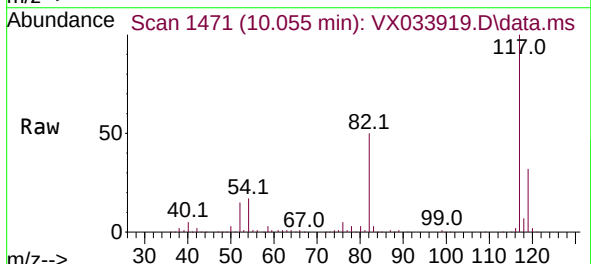
Tgt Ion: 95 Resp: 96972
Ion Ratio Lower Upper
95 100
174 95.5 0.0 184.4
176 93.7 0.0 178.8

Manual Integrations
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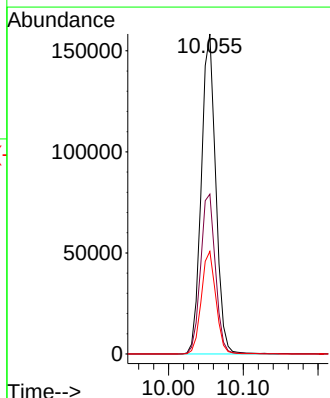
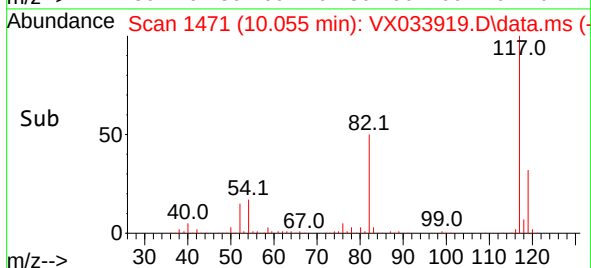
Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023

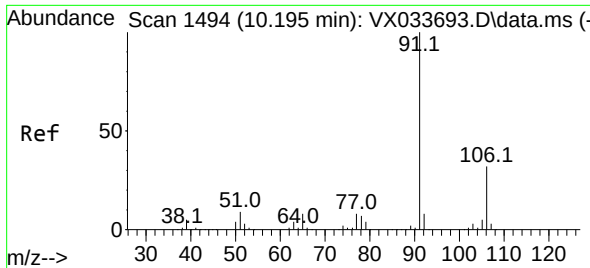


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01



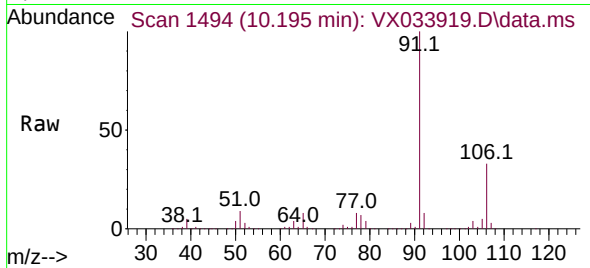
Tgt Ion:117 Resp: 212743
Ion Ratio Lower Upper
117 100
82 49.9 40.6 60.8
119 32.0 25.6 38.4





#67
Ethyl Benzene
Concen: 101.158 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

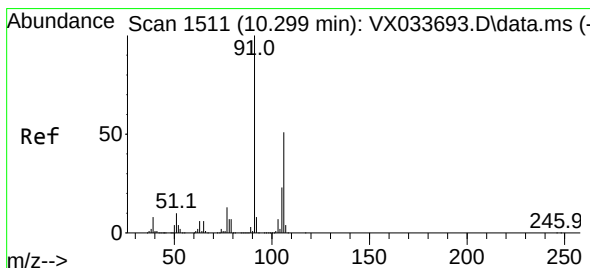
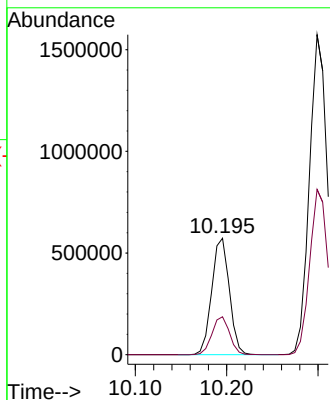
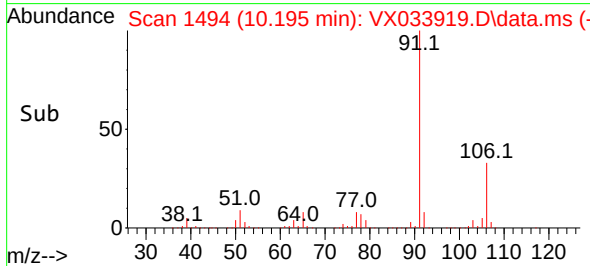
Instrument :
MSVOA_X
ClientSampleId :
33902



Tgt Ion: 91 Resp: 764932
Ion Ratio Lower Upper
91 100
106 32.6 25.8 38.8

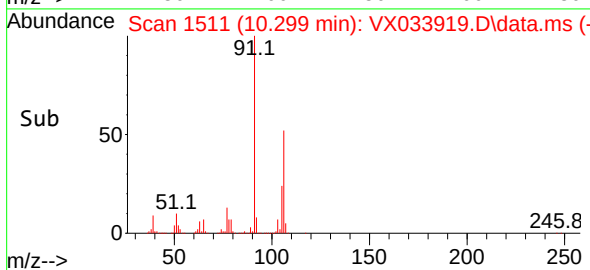
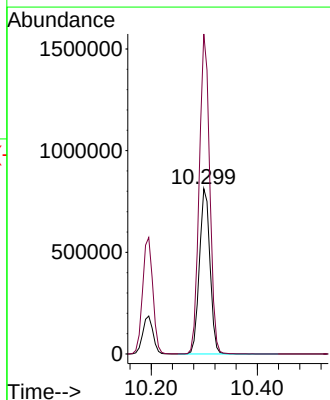
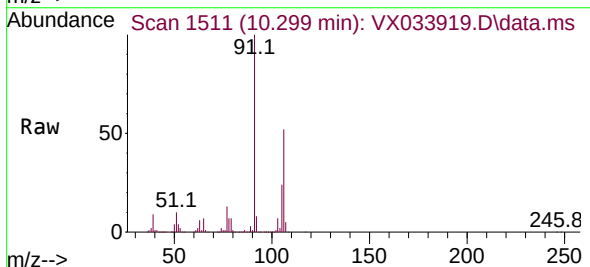
Manual Integrations
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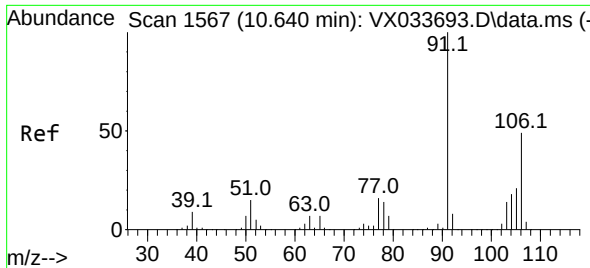
Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023



#68
m/p-Xylenes
Concen: 379.483 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

Tgt Ion:106 Resp: 1122393
Ion Ratio Lower Upper
106 100
91 191.9 156.4 234.6





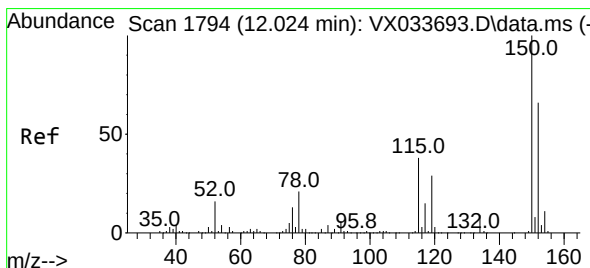
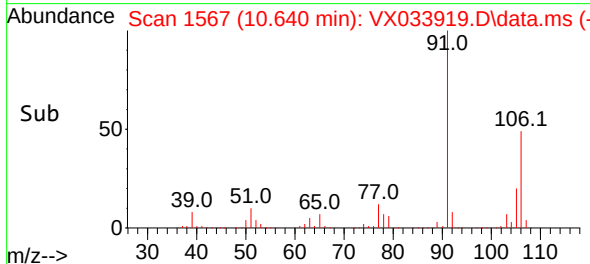
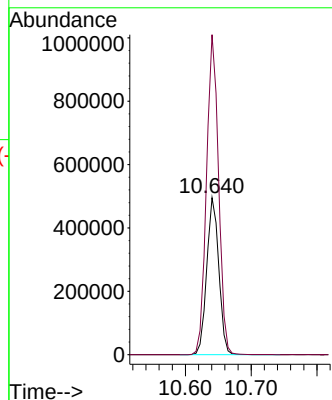
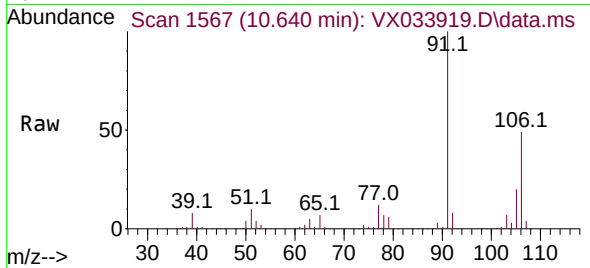
#69
o-Xylene
Concen: 215.406 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
33902

Tgt Ion:106 Resp: 63182
Ion Ratio Lower Upper
106 100
91 204.1 103.1 309.3

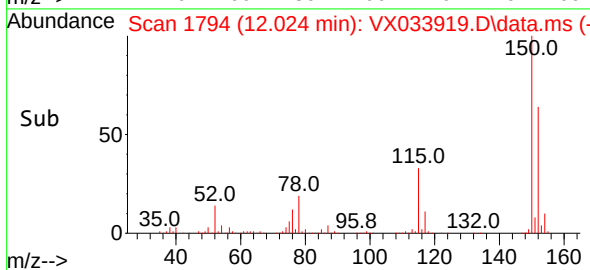
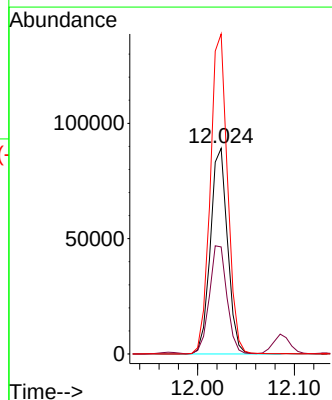
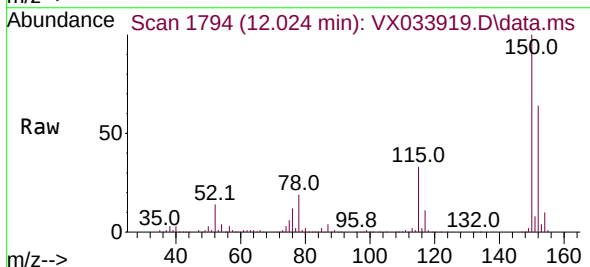
Manual Integrations
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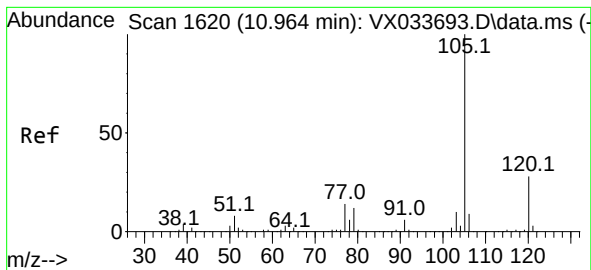
Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

Tgt Ion:152 Resp: 110059
Ion Ratio Lower Upper
152 100
115 53.6 38.7 116.1
150 156.7 0.0 348.2





#73

Isopropylbenzene

Concen: 6.105 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. -0.001 min

Lab File: VX033919.D

Acq: 26 Jan 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

33902

Tgt Ion:105 Resp: 6018

Ion Ratio Lower Upper

105 100

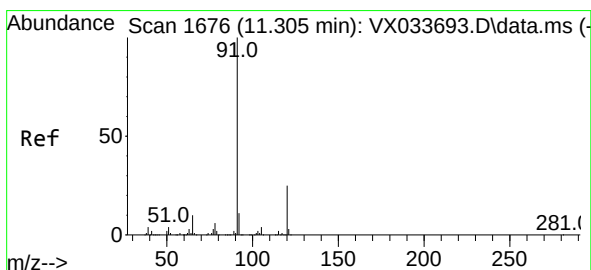
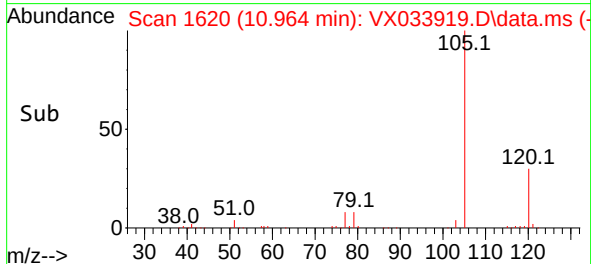
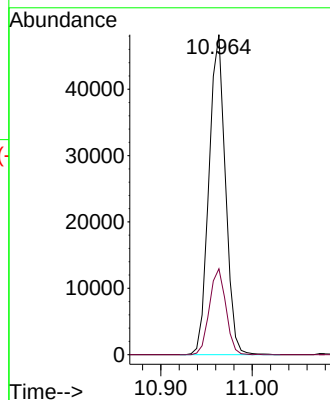
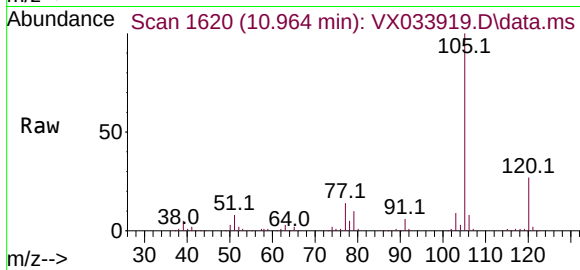
120 26.8 13.6 40.8

Manual Integrations

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Reviewed By :John Carlone 01/27/2023

Supervised By :Semsettin Yesilyurt 01/27/2023



#78

n-propylbenzene

Concen: 9.599 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX033919.D

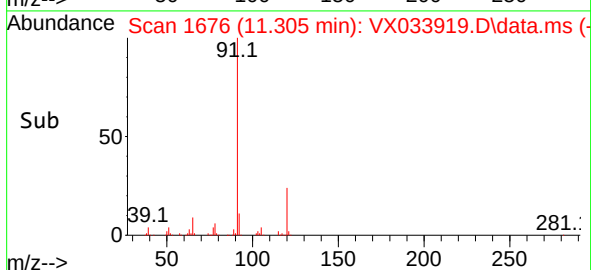
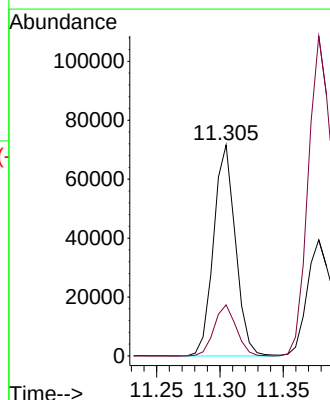
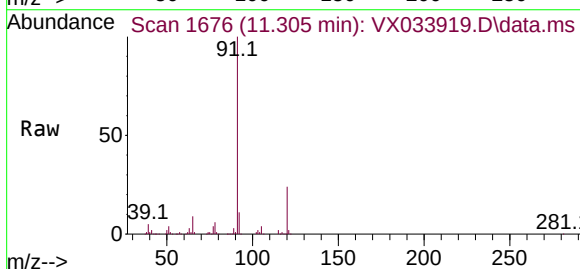
Acq: 26 Jan 2023 19:01

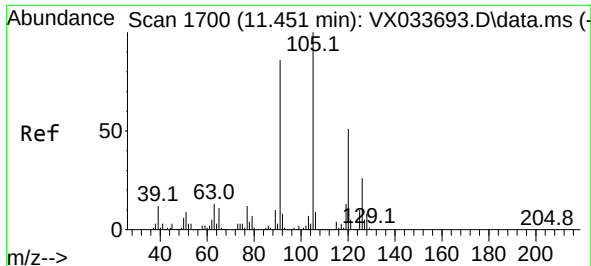
Tgt Ion: 91 Resp: 86204

Ion Ratio Lower Upper

91 100

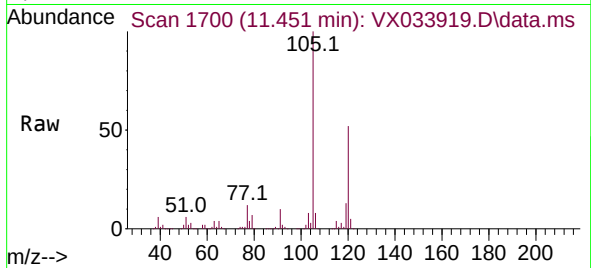
120 24.5 12.3 36.8





#80
1,3,5-Trimethylbenzene
Concen: 25.333 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

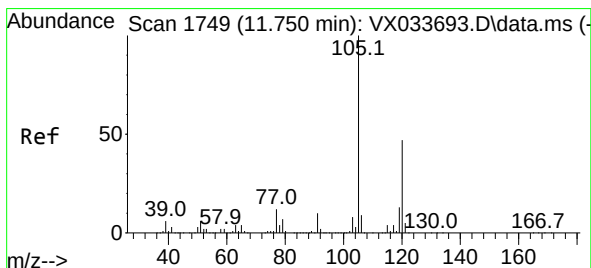
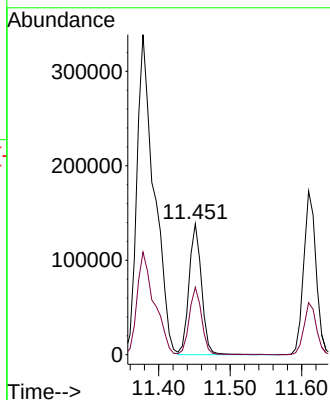
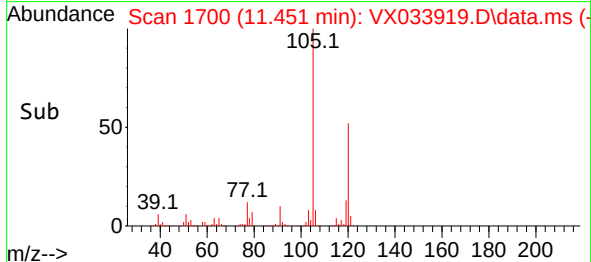
Instrument :
MSVOA_X
ClientSampleId :
33902



Tgt Ion:105 Resp: 167772
Ion Ratio Lower Upper
105 100
120 51.3 25.6 76.8

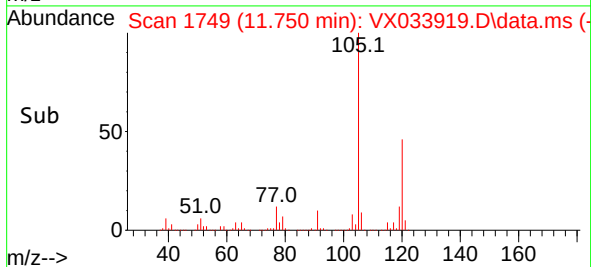
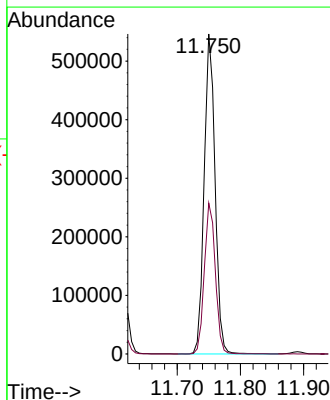
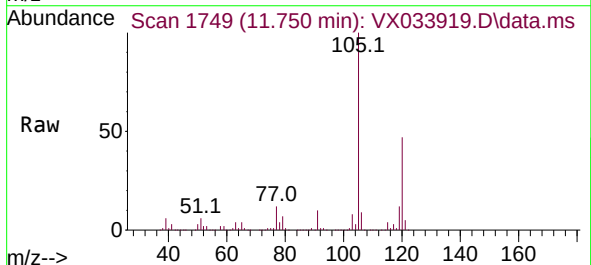
Manual Integrations
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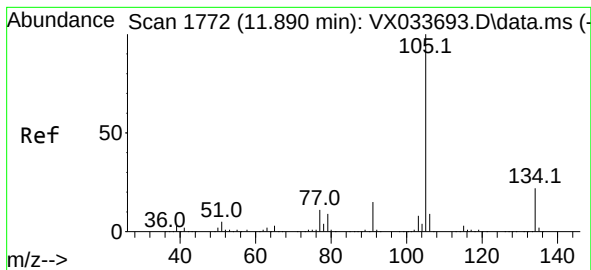
Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023



#84
1,2,4-Trimethylbenzene
Concen: 104.557 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

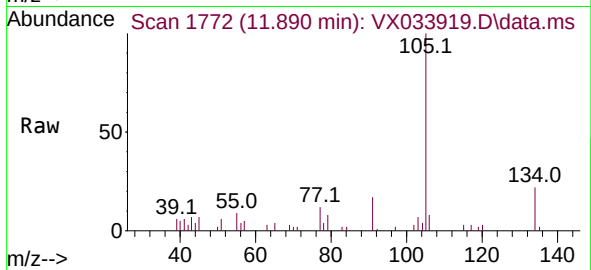
Tgt Ion:105 Resp: 655007
Ion Ratio Lower Upper
105 100
120 47.9 23.4 70.2





#85
 sec-Butylbenzene
 Concen: 0.611 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX033919.D
 Acq: 26 Jan 2023 19:01

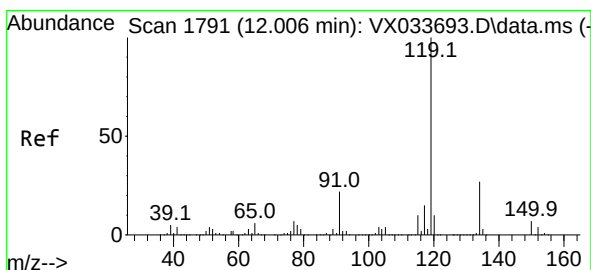
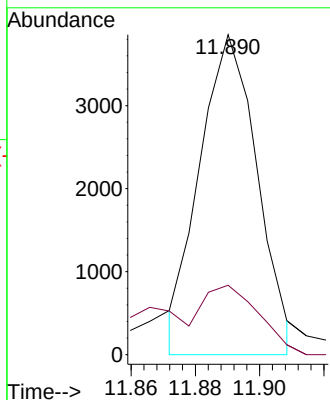
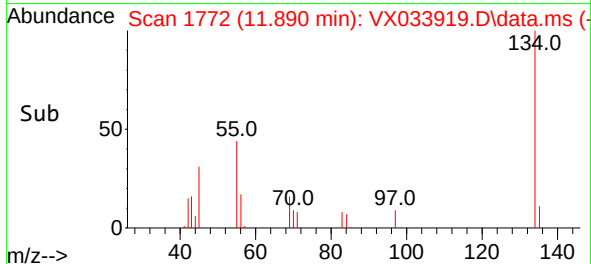
Instrument :
 MSVOA_X
 ClientSampleId :
 33902



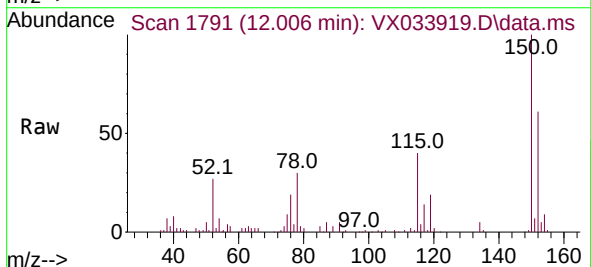
Tgt Ion:105 Resp: 480
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.3

Manual Integrations
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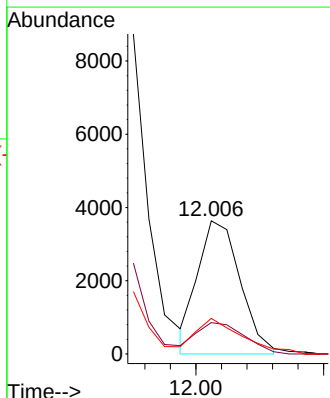
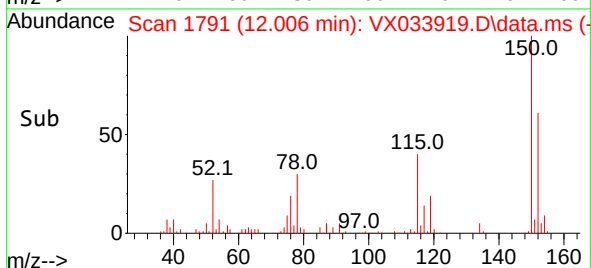
Reviewed By :John Carlone 01/27/2023
 Supervised By :Semsettin Yesilyurt 01/27/2023

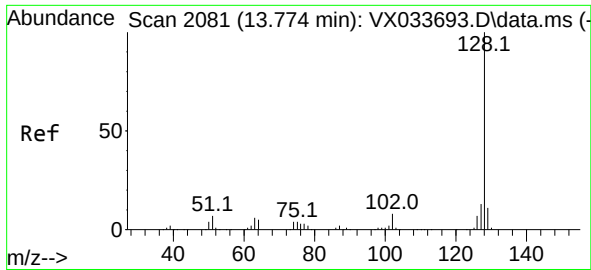


#86
 p-Isopropyltoluene
 Concen: 0.625 ug/l m
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX033919.D
 Acq: 26 Jan 2023 19:01



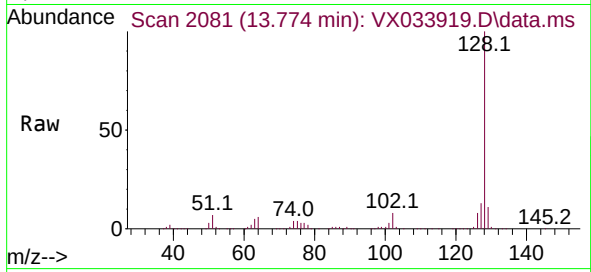
Tgt Ion:119 Resp: 4207
 Ion Ratio Lower Upper
 119 100
 134 85.5 13.6 40.8#
 91 66.9 11.0 33.0#





#95
Naphthalene
Concen: 19.842 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX033919.D
Acq: 26 Jan 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
33902



Tgt Ion:128 Resp: 13798
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.3 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/27/2023
Supervised By :Semsettin Yesilyurt 01/27/2023

