

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036445.D
 Acq On : 06 Jul 2023 19:27
 Operator : JC/MD
 Sample : 03500-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Jul 07 01:53:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/07/2023
 Supervised By : Mahesh Dadoda 07/07/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	168937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	289589	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	106787	44.098	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.200%		
35) Dibromofluoromethane	5.391	113	88135	46.157	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.320%		
50) Toluene-d8	8.647	98	346971	48.651	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.300%		
62) 4-Bromofluorobenzene	11.079	95	136921	54.505	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.020%		
Target Compounds					Qvalue	
25) 2-Butanone	4.574	43	3082	2.072	ug/l #	86
31) Cyclohexane	5.470	56	414341	133.519	ug/l	97
39) Methylcyclohexane	7.385	83	499771	146.597	ug/l	95
40) Benzene	6.037	78	19606	2.466	ug/l	94
52) Toluene	8.720	92	11663	2.315	ug/l	97
67) Ethyl Benzene	10.195	91	732218m	74.784	ug/l	
68) m/p-Xylenes	10.305	106	79499	20.899	ug/l	97
69) o-Xylene	10.646	106	3643	0.992	ug/l	93
73) Isopropylbenzene	10.963	105	557711	60.140	ug/l	98
78) n-propylbenzene	11.305	91	1976122	182.462	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	57702	7.347	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	248711	32.010	ug/l	95
85) sec-Butylbenzene	11.890	105	147325	15.451	ug/l	97
86) p-Isopropyltoluene	12.006	119	31369	3.920	ug/l	97
89) n-Butylbenzene	12.335	91	245415	34.461	ug/l #	74
90) Hexachloroethane	12.530	117	11867m	9.791	ug/l	
95) Naphthalene	13.774	128	906804	107.949	ug/l	99

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

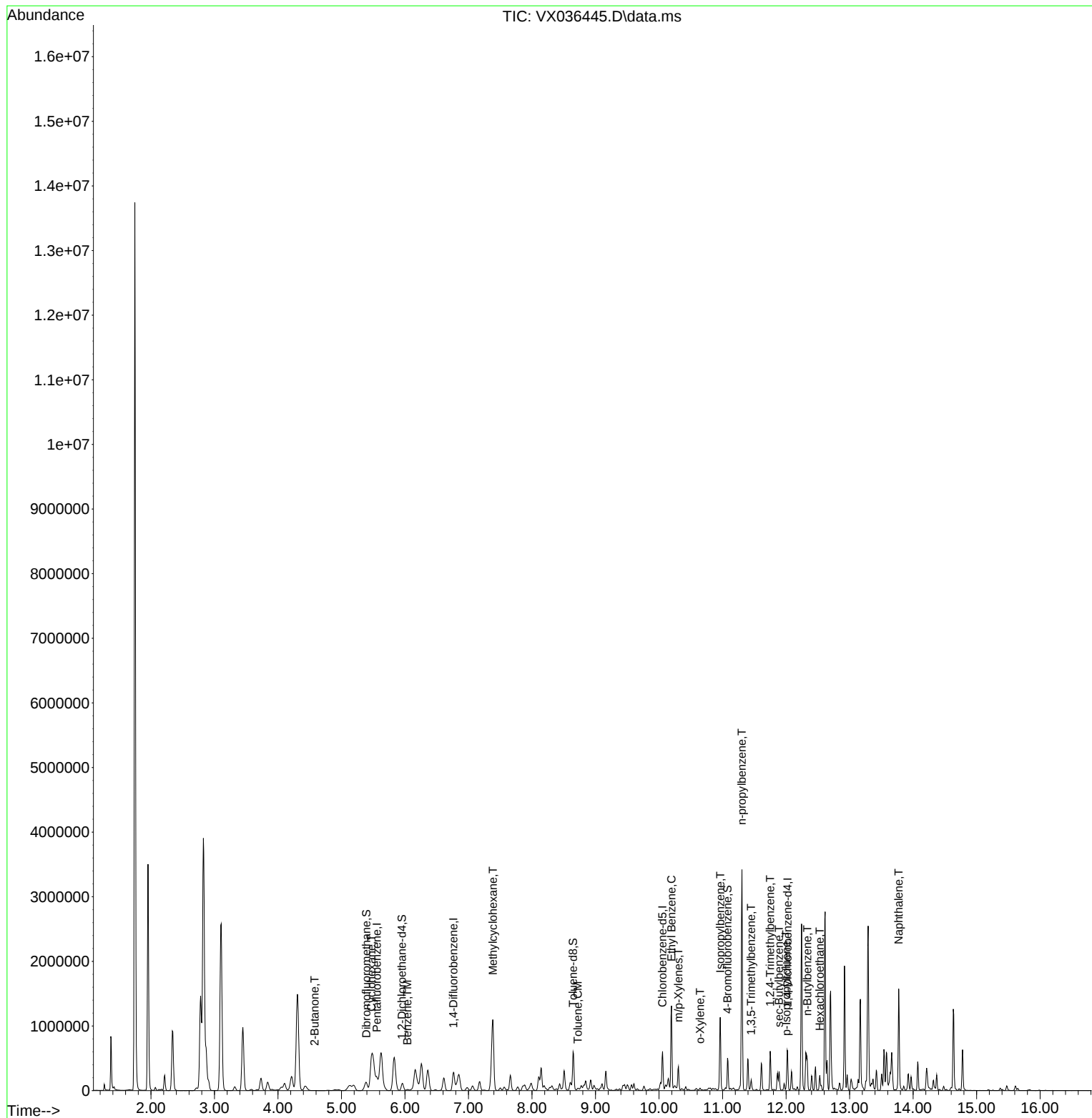
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
Data File : VX036445.D
Acq On : 06 Jul 2023 19:27
Operator : JC/MD
Sample : 03500-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

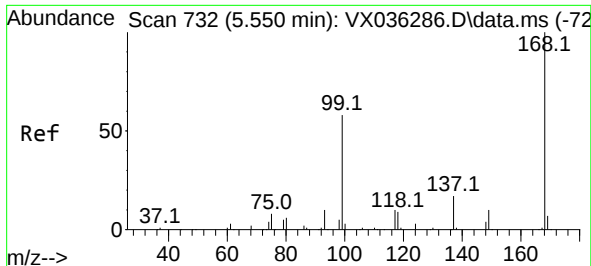
Instrument :
MSVOA_X
ClientSampleId :
MW-5

Quant Time: Jul 07 01:53:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

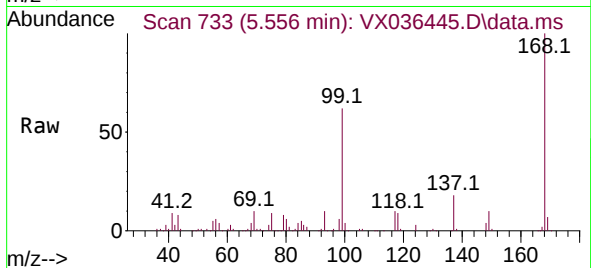
Reviewed By :John Carlone 07/07/2023
Supervised By :Mahesh Dadoda 07/07/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

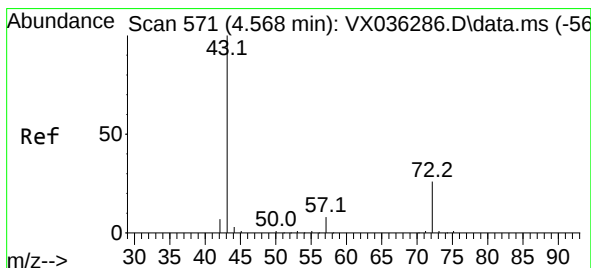
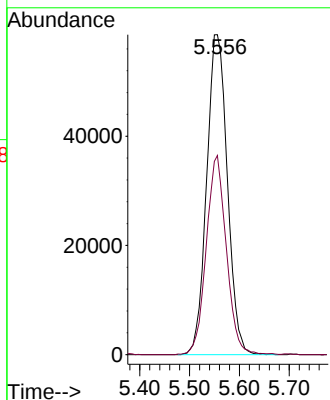
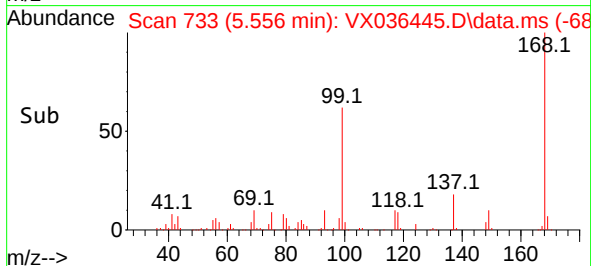
Instrument :
MSVOA_X
ClientSampleId :
MW-5



Tgt Ion:168 Resp: 16893
Ion Ratio Lower Upper
168 100
99 62.2 56.6 85.0

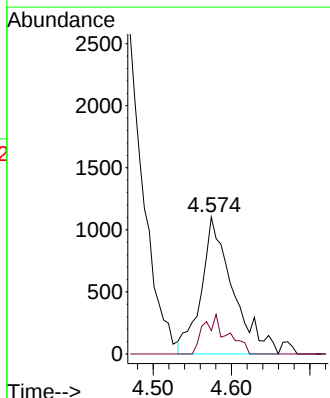
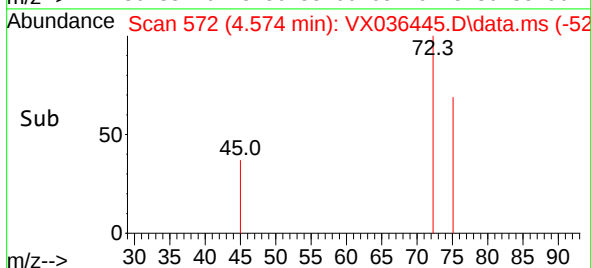
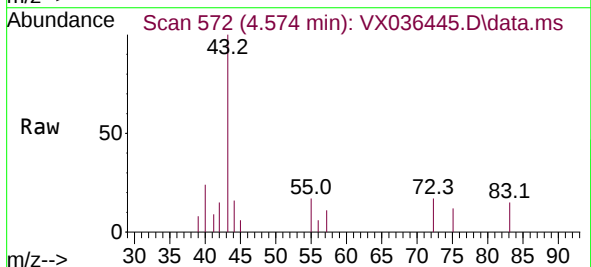
Manual Integrations
APPROVED

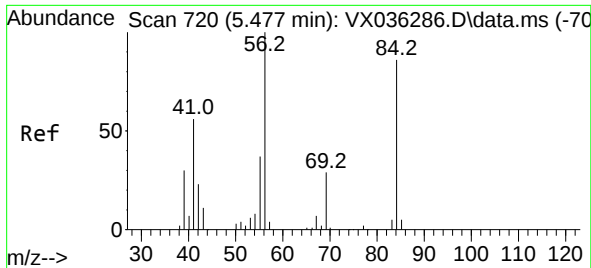
Reviewed By :John Carlone 07/07/2023
Supervised By :Mahesh Dadoda 07/07/2023



#25
2-Butanone
Concen: 2.072 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

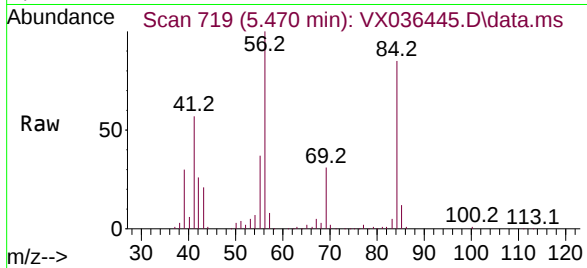
Tgt Ion: 43 Resp: 3082
Ion Ratio Lower Upper
43 100
72 17.1 19.4 29.2#





#31
Cyclohexane
Concen: 133.519 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

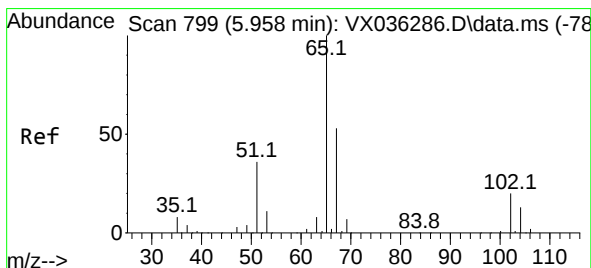
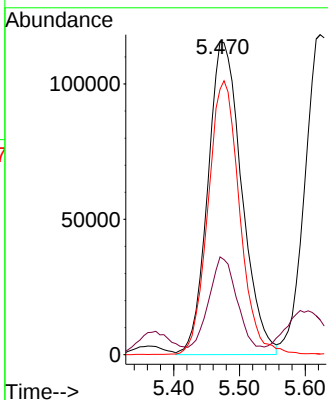
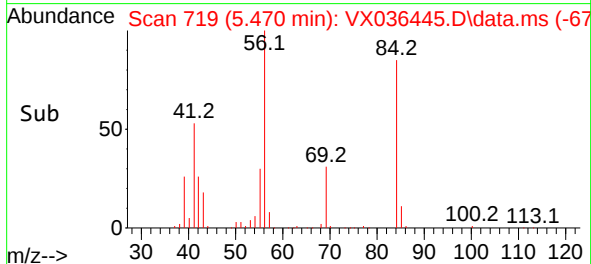
Instrument :
MSVOA_X
ClientSampleId :
MW-5



Tgt Ion: 56 Resp: 41434
Ion Ratio Lower Upper
56 100
69 27.8 23.4 35.2
84 85.1 65.9 98.9

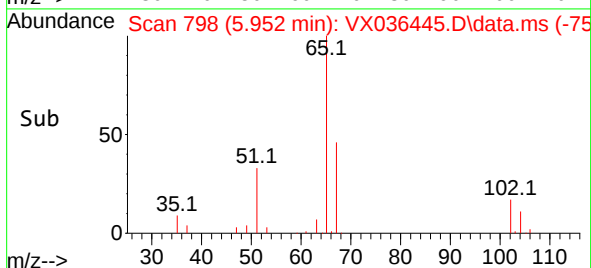
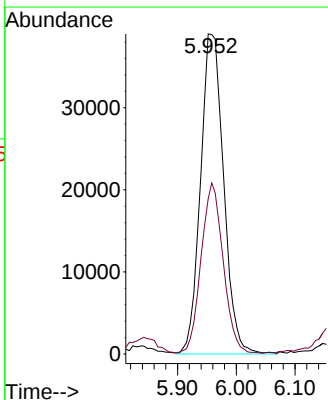
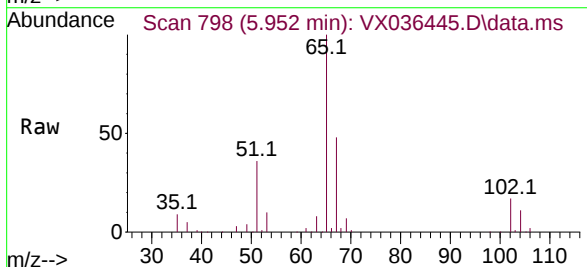
Manual Integrations
APPROVED

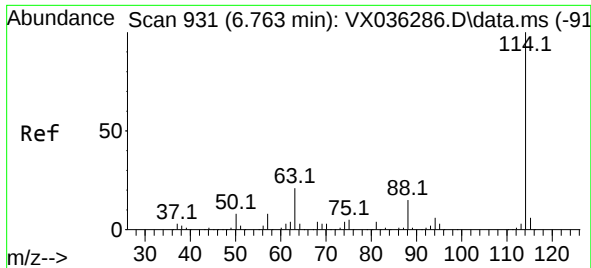
Reviewed By :John Carlone 07/07/2023
Supervised By :Mahesh Dadoda 07/07/2023



#33
1,2-Dichloroethane-d4
Concen: 44.098 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

Tgt Ion: 65 Resp: 106787
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.2





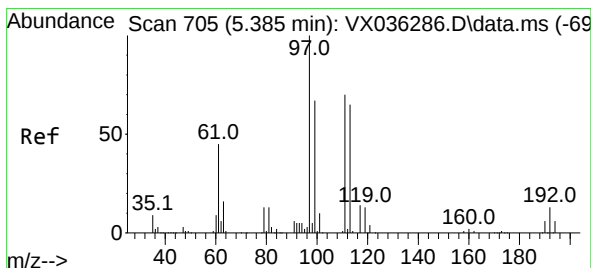
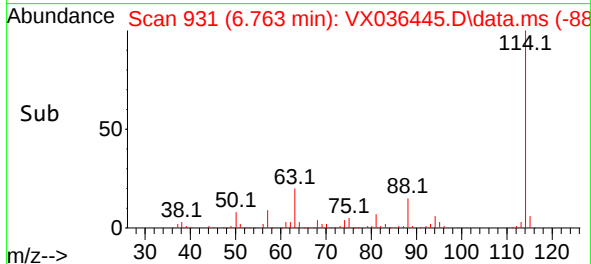
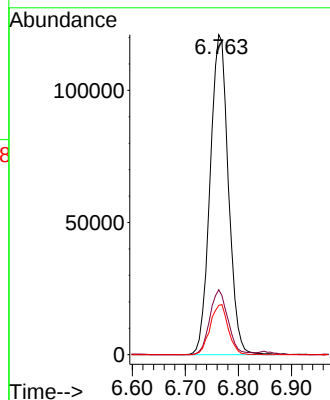
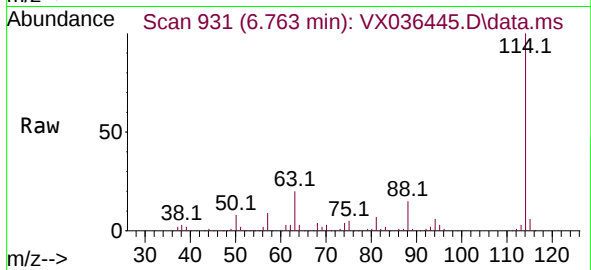
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tgt Ion:114 Resp: 289589
Ion Ratio Lower Upper
114 100
63 20.3 0.0 45.0
88 15.4 0.0 36.6

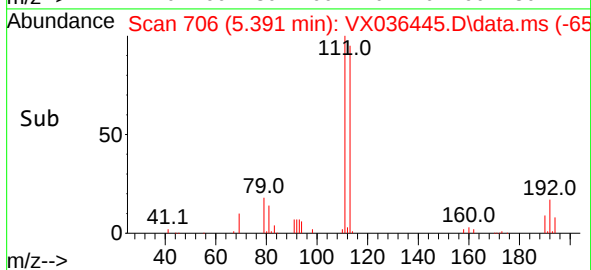
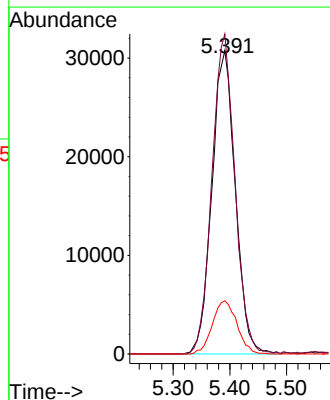
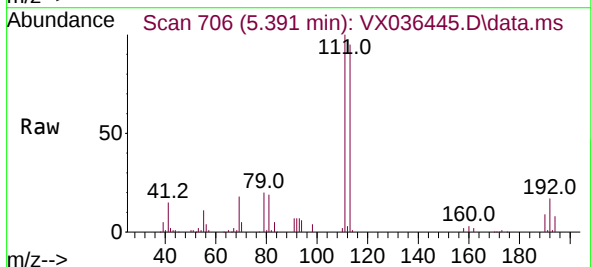
Manual Integrations
APPROVED

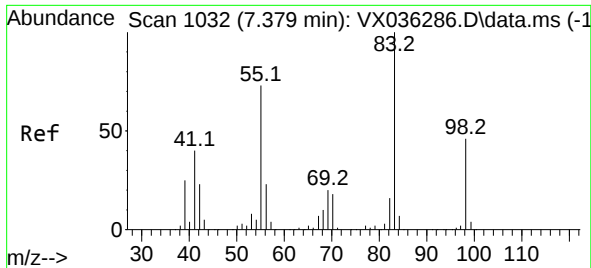
Reviewed By :John Carlone 07/07/2023
Supervised By :Mahesh Dadoda 07/07/2023



#35
Dibromofluoromethane
Concen: 46.157 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

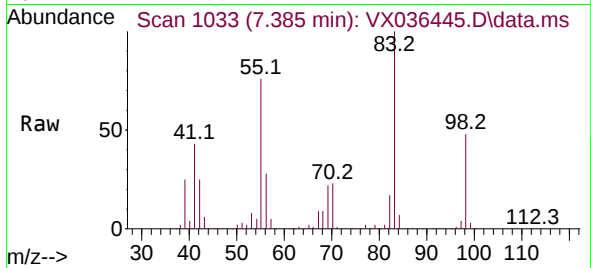
Tgt Ion:113 Resp: 88135
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 18.4 13.3 19.9





#39
Methylcyclohexane
Concen: 146.597 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.007 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

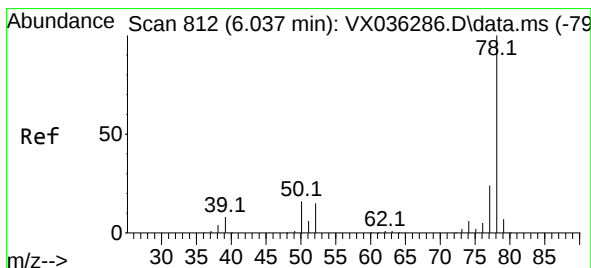
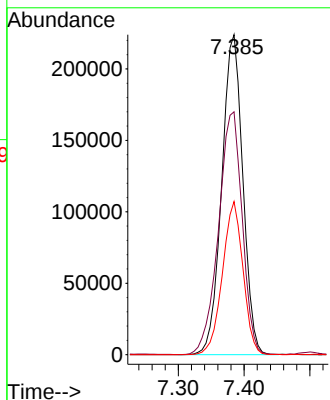
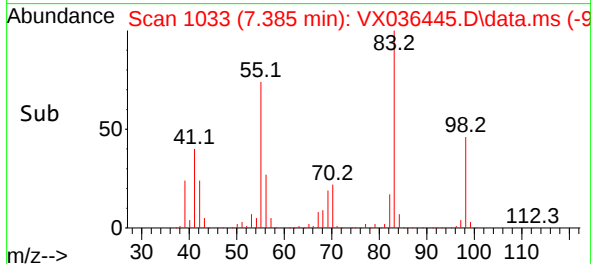
Instrument :
MSVOA_X
ClientSampleId :
MW-5



Tgt Ion: 83 Resp: 49977
Ion Ratio Lower Upper
83 100
55 75.9 64.6 97.0
98 47.8 36.7 55.1

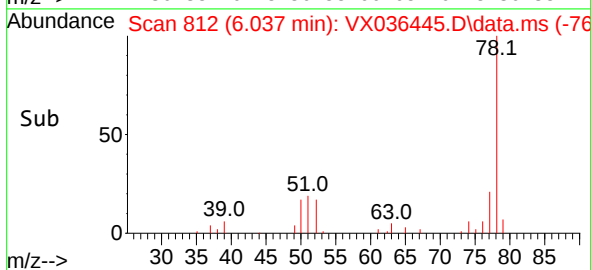
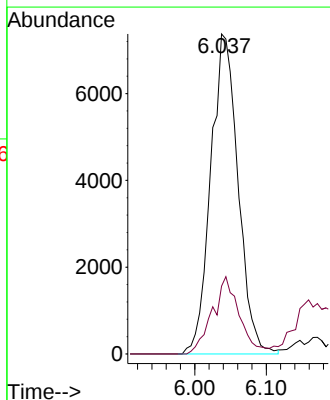
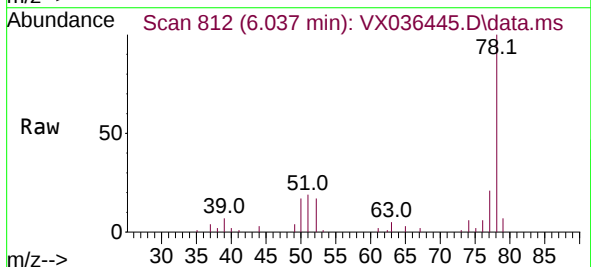
Manual Integrations
APPROVED

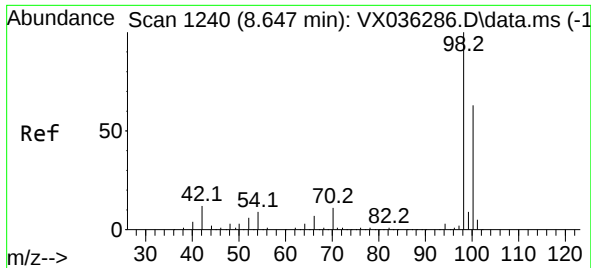
Reviewed By :John Carlone 07/07/2023
Supervised By :Mahesh Dadoda 07/07/2023



#40
Benzene
Concen: 2.466 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

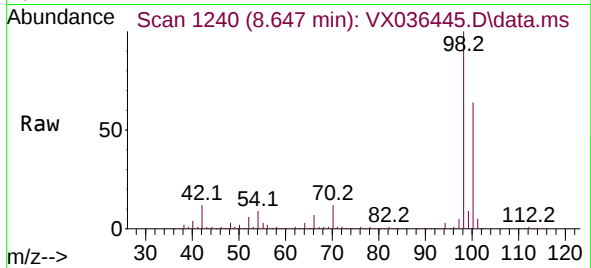
Tgt Ion: 78 Resp: 19606
Ion Ratio Lower Upper
78 100
77 21.2 19.3 28.9





#50
Toluene-d8
Concen: 48.651 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

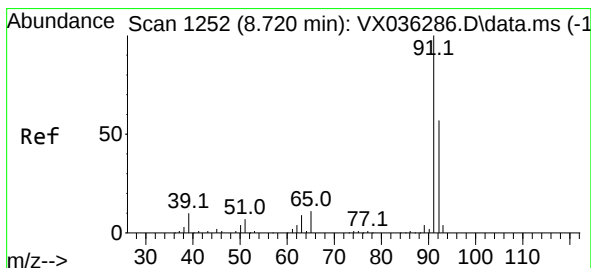
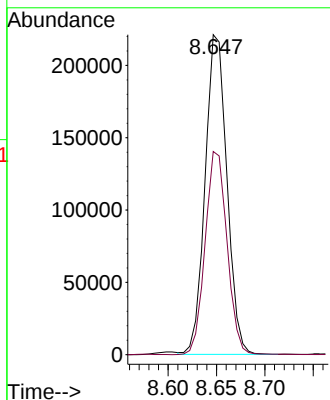
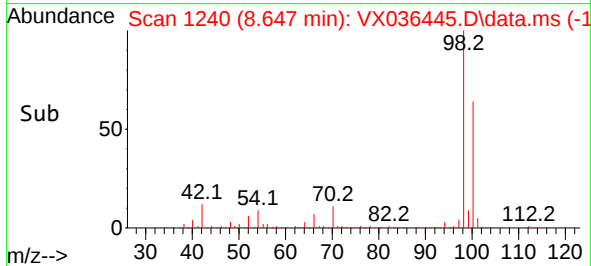
Instrument :
MSVOA_X
ClientSampleId :
MW-5



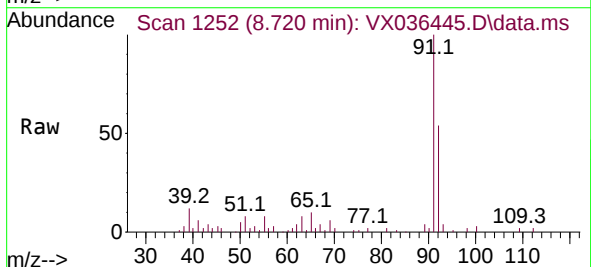
Tgt Ion: 98 Resp: 34697
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

Manual Integrations
APPROVED

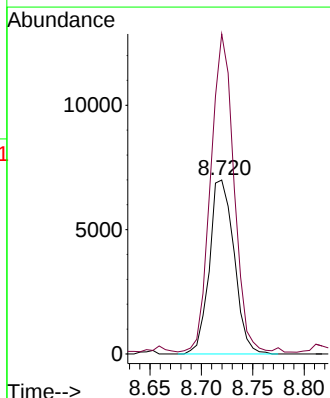
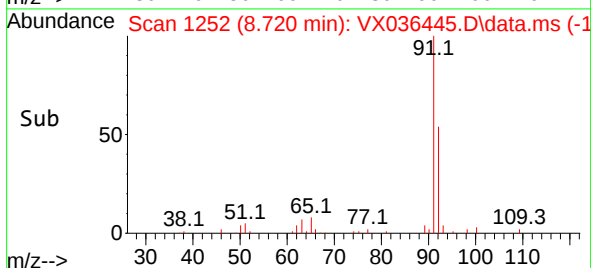
Reviewed By :John Carlone 07/07/2023
Supervised By :Mahesh Dadoda 07/07/2023

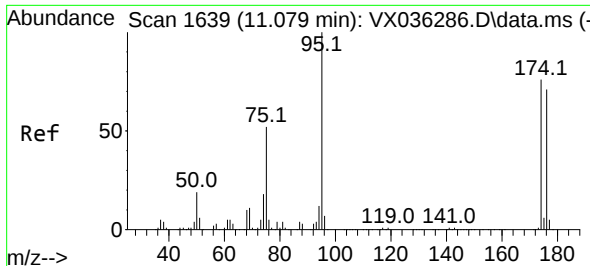


#52
Toluene
Concen: 2.315 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27



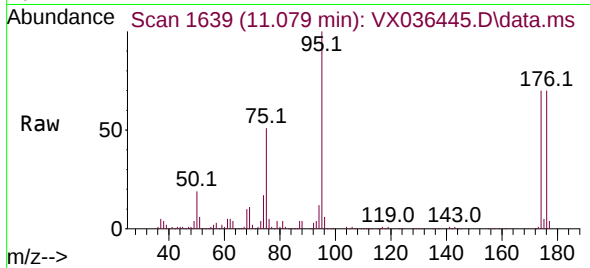
Tgt Ion: 92 Resp: 11663
Ion Ratio Lower Upper
92 100
91 171.2 134.2 201.2





#62
4-Bromofluorobenzene
Concen: 54.505 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

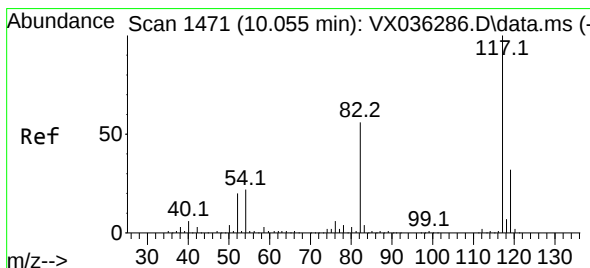
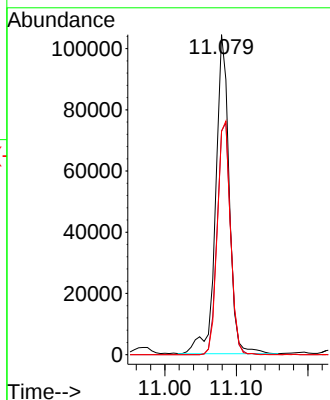
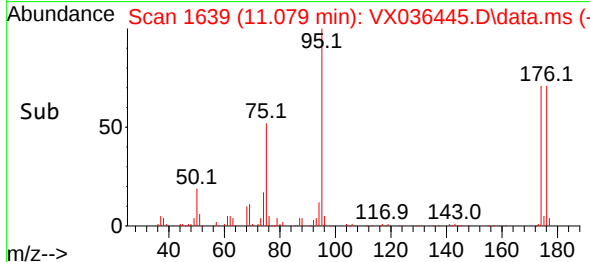
Instrument :
MSVOA_X
ClientSampleId :
MW-5



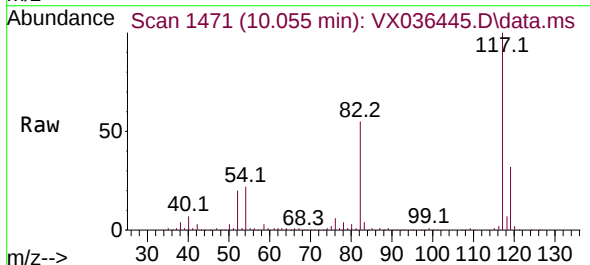
Tgt Ion: 95 Resp: 13692
Ion Ratio Lower Upper
95 100
174 71.5 0.0 135.6
176 70.9 0.0 131.0

Manual Integrations
APPROVED

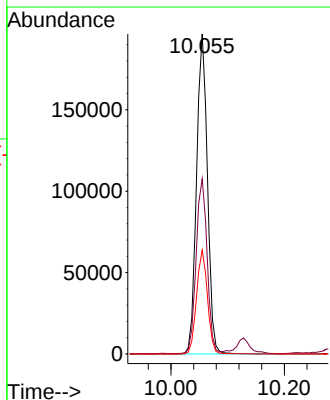
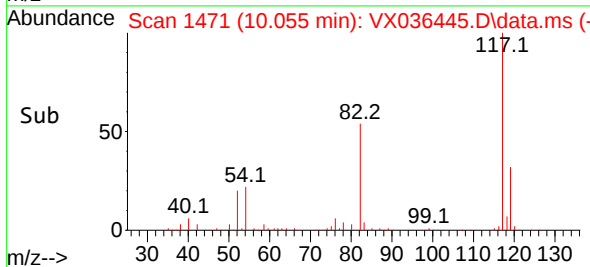
Reviewed By :John Carlone 07/07/2023
Supervised By :Mahesh Dadoda 07/07/2023

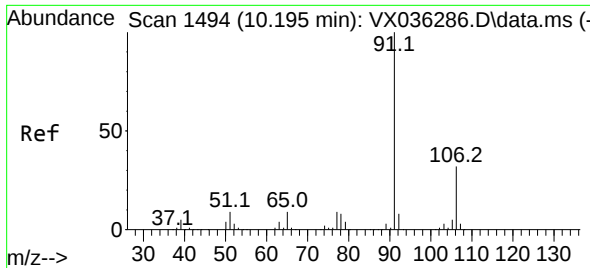


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27



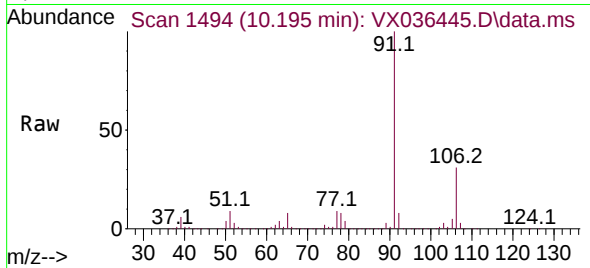
Tgt Ion:117 Resp: 261991
Ion Ratio Lower Upper
117 100
82 54.7 46.2 69.4
119 32.4 25.5 38.3





#67
Ethyl Benzene
Concen: 74.784 ug/l m
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

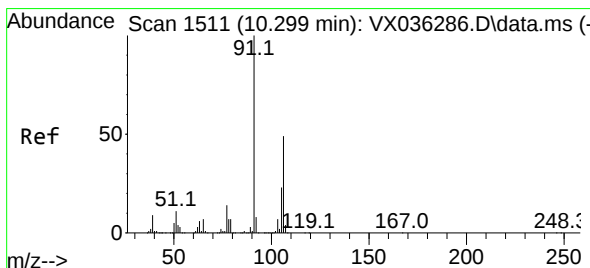
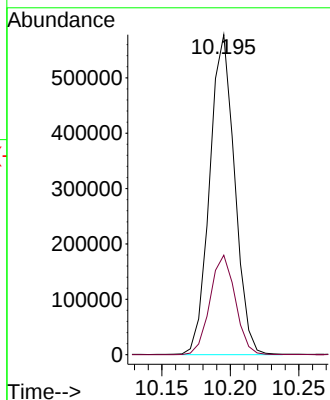
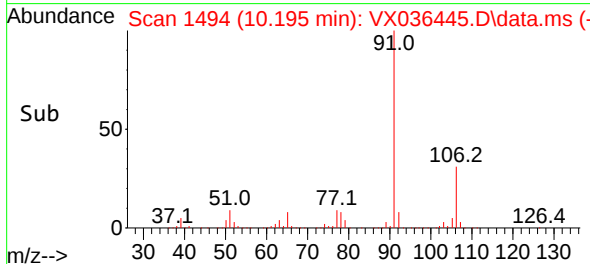
Instrument :
MSVOA_X
ClientSampleId :
MW-5



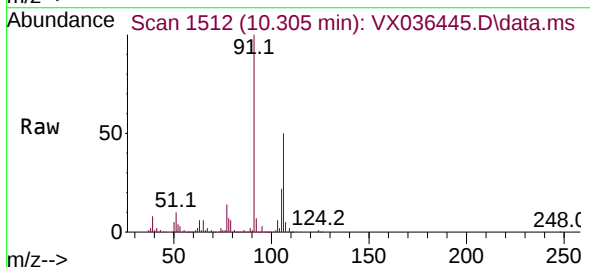
Tgt Ion: 91 Resp: 732218
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

Manual Integrations
APPROVED

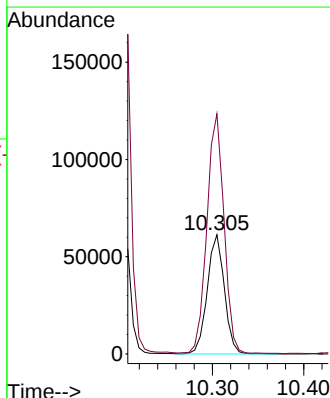
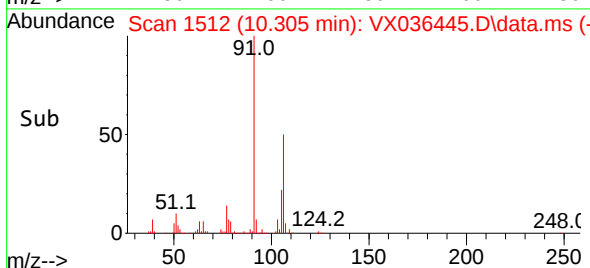
Reviewed By :John Carlone 07/07/2023
Supervised By :Mahesh Dadoda 07/07/2023

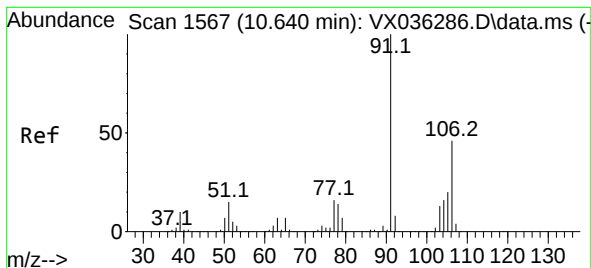


#68
m/p-Xylenes
Concen: 20.899 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27



Tgt Ion:106 Resp: 79499
Ion Ratio Lower Upper
106 100
91 202.0 165.5 248.3





#69

o-Xylene

Concen: 0.992 ug/l

RT: 10.646 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX036445.D

Acq: 06 Jul 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

MW-5

Tgt Ion:106 Resp: 364

Ion Ratio Lower Upper

106 100

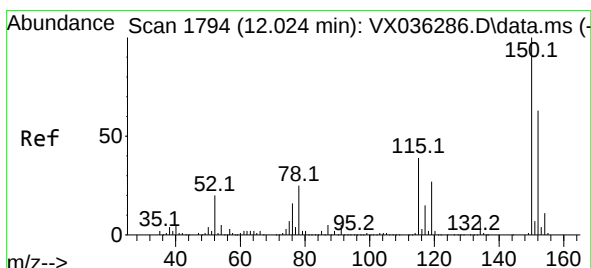
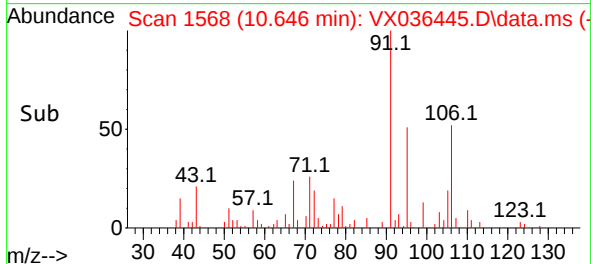
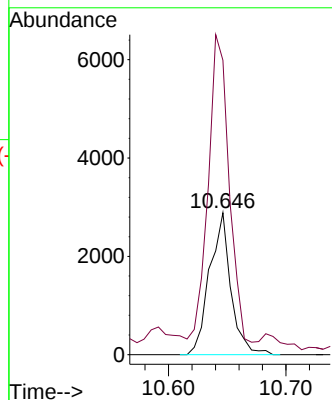
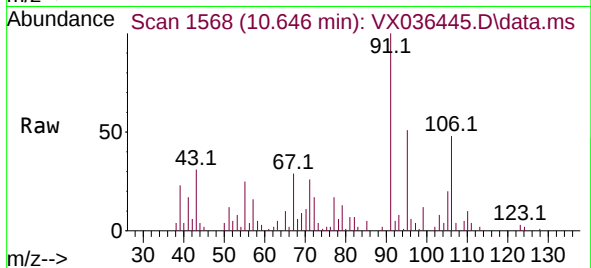
91 229.3 108.9 326.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/07/2023

Supervised By :Mahesh Dadoda 07/07/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036445.D

Acq: 06 Jul 2023 19:27

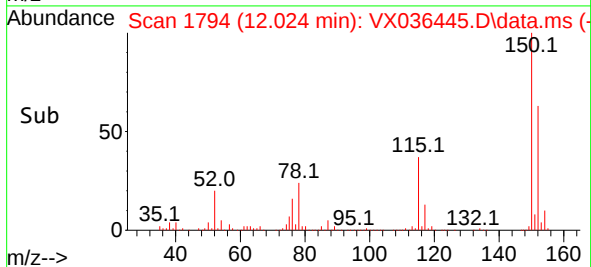
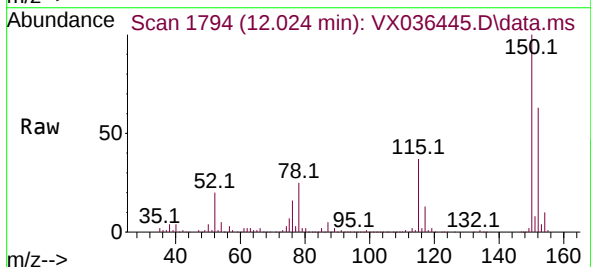
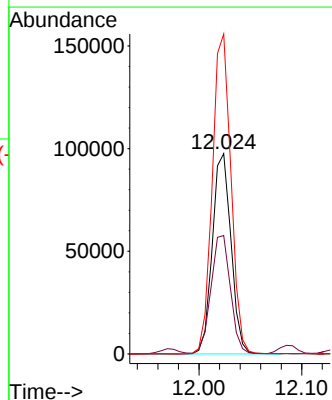
Tgt Ion:152 Resp: 123056

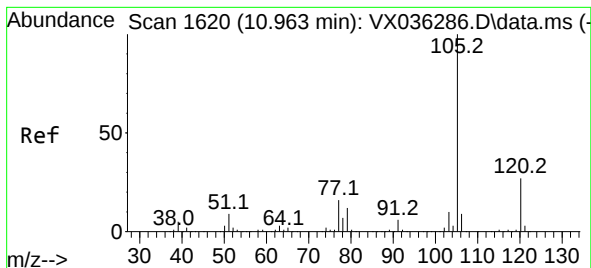
Ion Ratio Lower Upper

152 100

115 61.4 43.3 129.9

150 159.5 0.0 345.0





#73

Isopropylbenzene

Concen: 60.140 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX036445.D

Acq: 06 Jul 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

MW-5

Tgt Ion:105 Resp: 55771

Ion Ratio Lower Upper

105 100

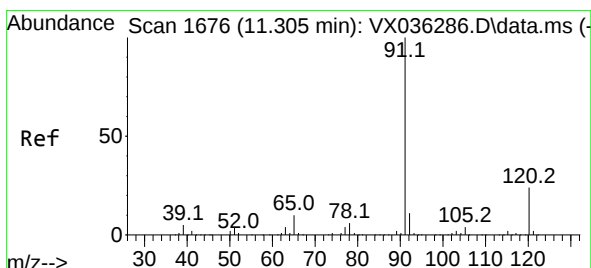
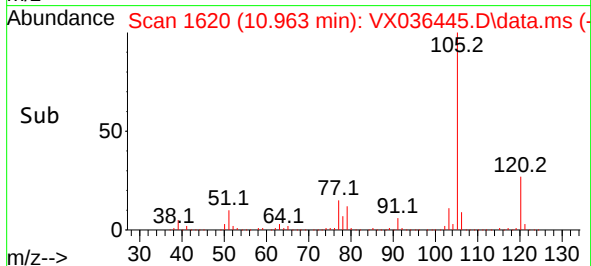
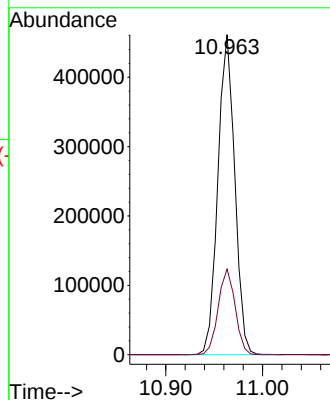
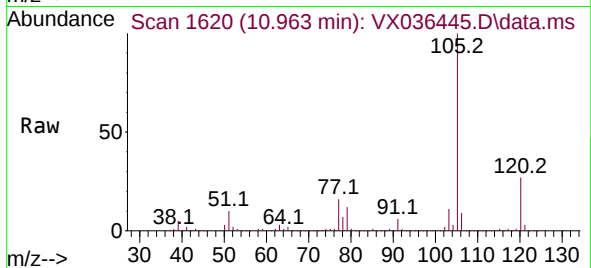
120 26.9 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/07/2023

Supervised By :Mahesh Dadoda 07/07/2023



#78

n-propylbenzene

Concen: 182.462 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX036445.D

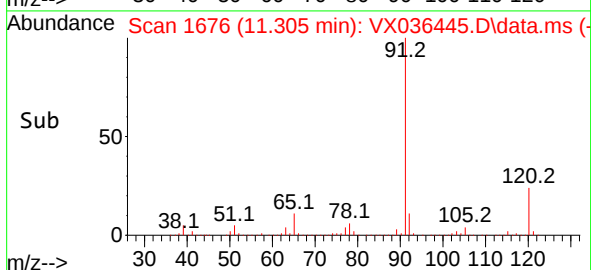
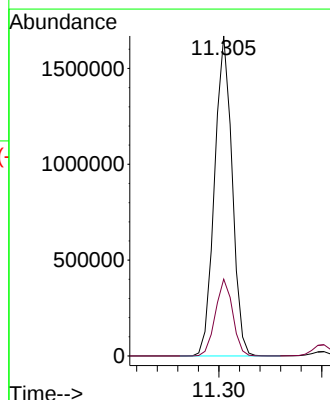
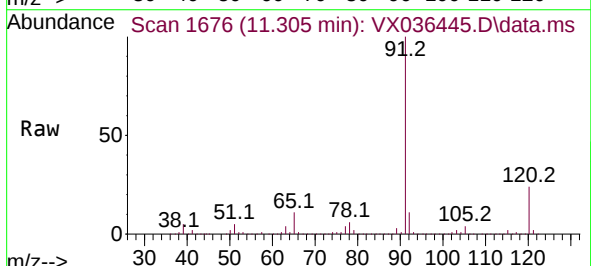
Acq: 06 Jul 2023 19:27

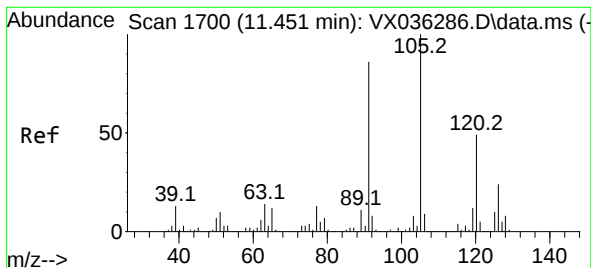
Tgt Ion: 91 Resp: 1976122

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.4





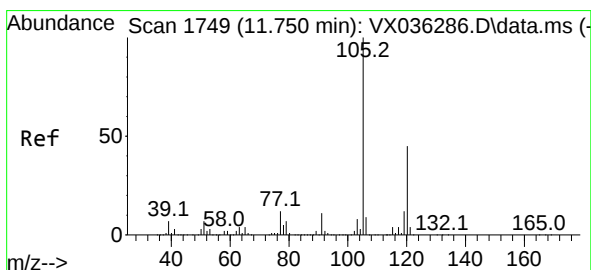
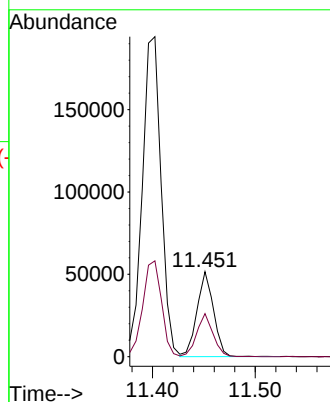
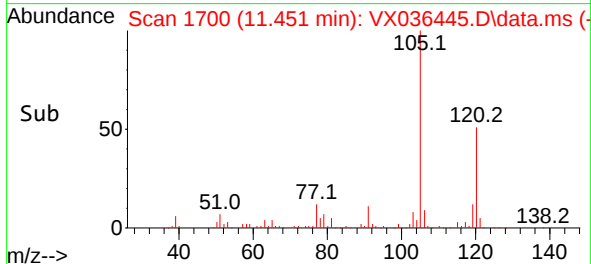
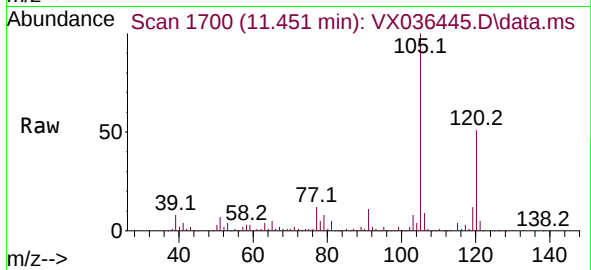
#80
1,3,5-Trimethylbenzene
Concen: 7.347 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tgt Ion:105 Resp: 57702
Ion Ratio Lower Upper
105 100
120 50.3 24.1 72.3

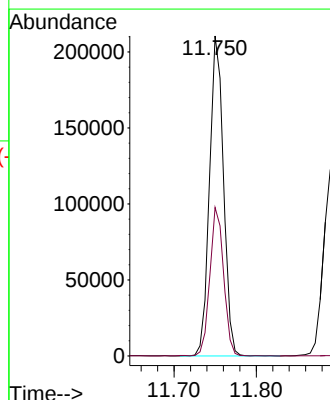
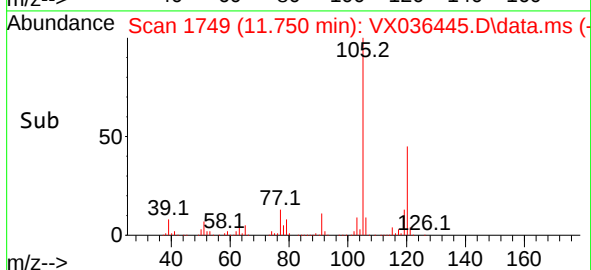
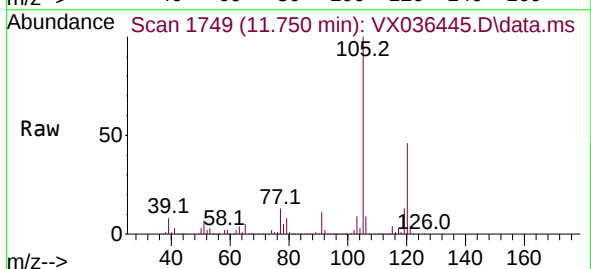
Manual Integrations
APPROVED

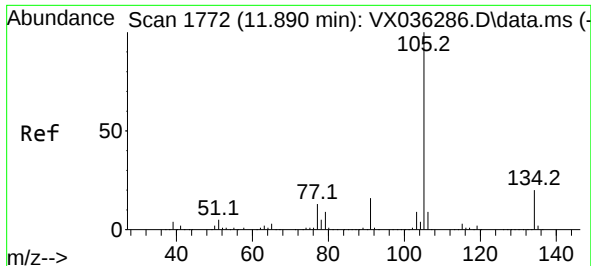
Reviewed By :John Carlone 07/07/2023
Supervised By :Mahesh Dadoda 07/07/2023



#84
1,2,4-Trimethylbenzene
Concen: 32.010 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

Tgt Ion:105 Resp: 248711
Ion Ratio Lower Upper
105 100
120 45.8 21.2 63.6





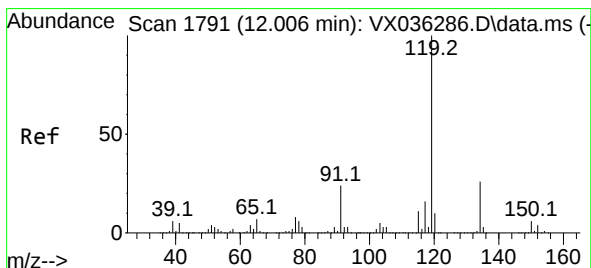
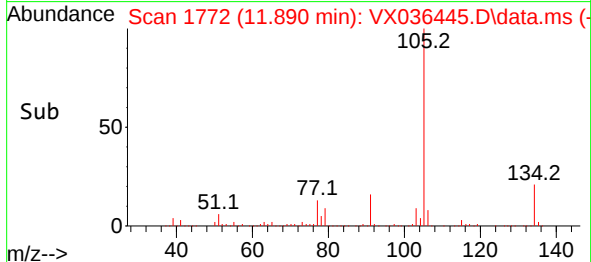
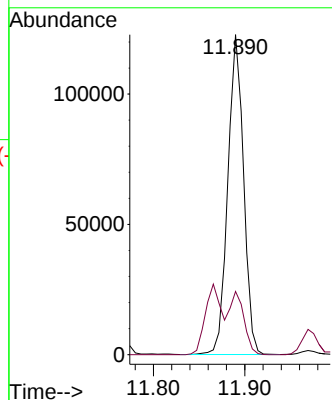
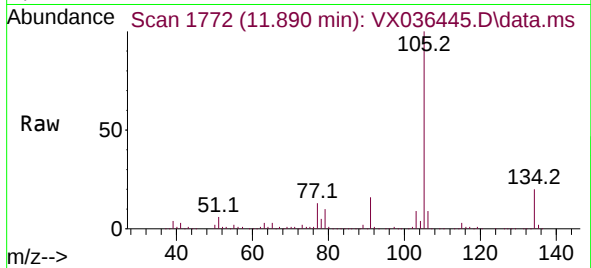
#85
 sec-Butylbenzene
 Concen: 15.451 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX036445.D
 Acq: 06 Jul 2023 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Tgt Ion:105 Resp: 14732
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.8 29.4

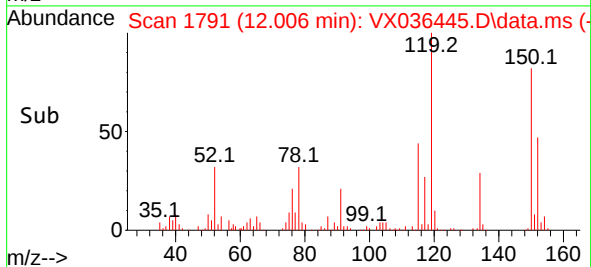
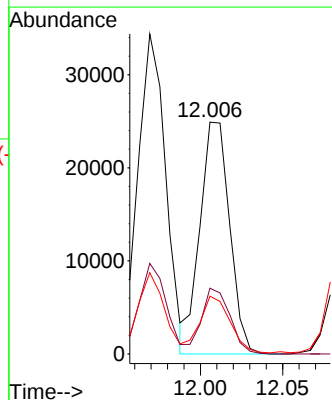
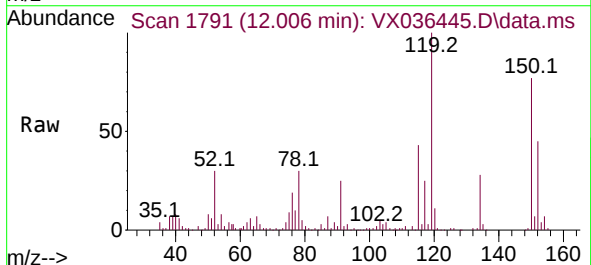
Manual Integrations
 APPROVED

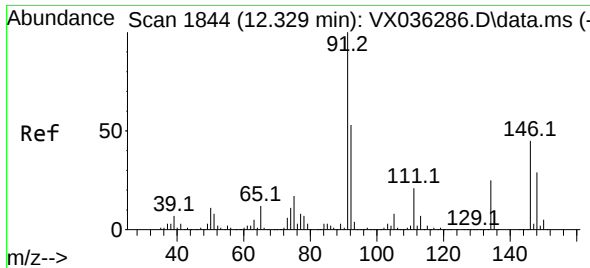
Reviewed By :John Carlone 07/07/2023
 Supervised By :Mahesh Dadoda 07/07/2023



#86
 p-Isopropyltoluene
 Concen: 3.920 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX036445.D
 Acq: 06 Jul 2023 19:27

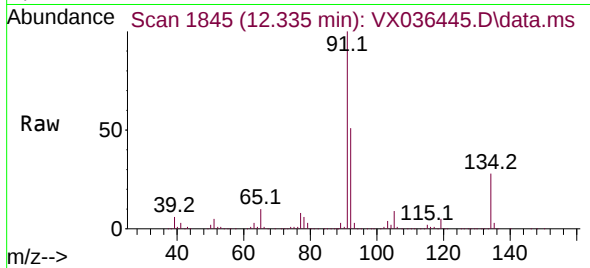
Tgt Ion:119 Resp: 31369
 Ion Ratio Lower Upper
 119 100
 134 27.5 12.8 38.3
 91 24.8 13.1 39.3





#89
n-Butylbenzene
Concen: 34.461 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

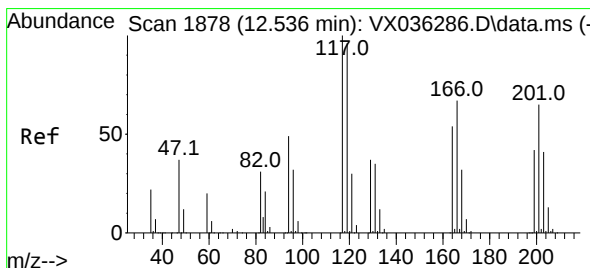
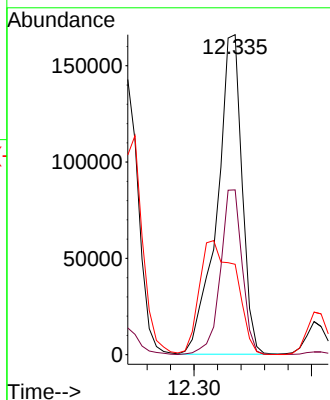
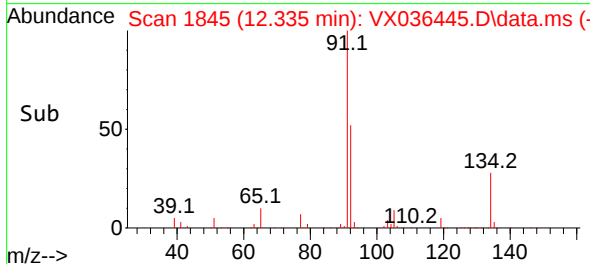
Instrument :
MSVOA_X
ClientSampleId :
MW-5



Tgt Ion: 91 Resp: 24541
Ion Ratio Lower Upper
91 100
92 44.8 27.4 82.0
134 51.4 12.6 37.8

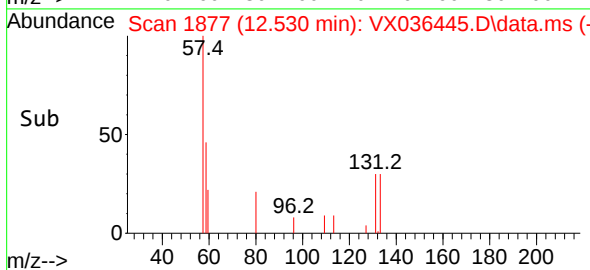
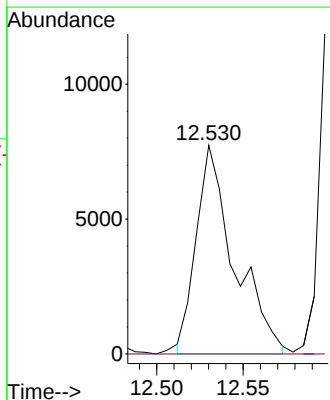
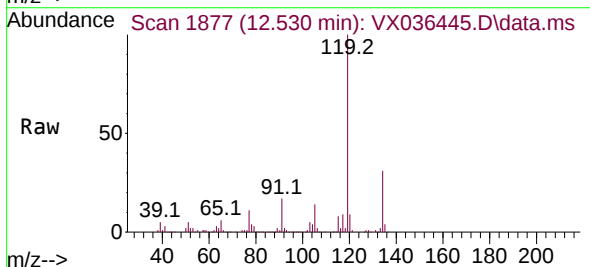
Manual Integrations
APPROVED

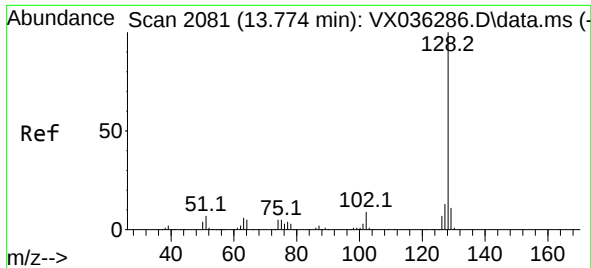
Reviewed By :John Carlone 07/07/2023
Supervised By :Mahesh Dadoda 07/07/2023



#90
Hexachloroethane
Concen: 9.791 ug/l m
RT: 12.530 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

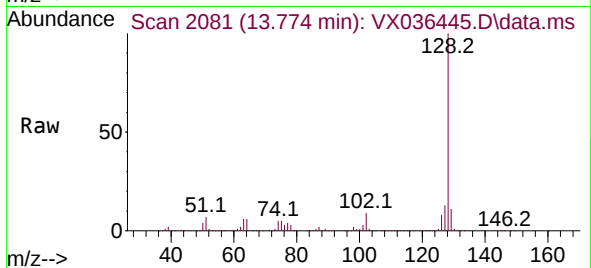
Tgt Ion:117 Resp: 11867
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6





#95
Naphthalene
Concen: 107.949 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036445.D
Acq: 06 Jul 2023 19:27

Instrument :
MSVOA_X
ClientSampleId :
MW-5



Tgt Ion:128 Resp: 906804
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.8 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/07/2023
Supervised By :Mahesh Dadoda 07/07/2023

