

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111422\
 Data File : VX032795.D
 Acq On : 14 Nov 2022 15:27
 Operator : JC/MD
 Sample : N5557-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2022
 Supervised By : Mahesh Dadoda 11/15/2022

Quant Time: Nov 15 05:08:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	94760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	156691	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66886	50.799	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.600%
35) Dibromofluoromethane	5.391	113	53828	48.160	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.320%
50) Toluene-d8	8.647	98	194366	50.011	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.020%
62) 4-Bromofluorobenzene	11.079	95	75726	49.881	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.760%
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	3484	5.105	ug/l	98
16) Acetone	2.392	43	69385	144.991	ug/l	99
20) Methylene Chloride	2.794	84	1219	1.111	ug/l	93
25) 2-Butanone	4.568	43	5008	6.755	ug/l	99
30) Chloroform	5.087	83	1004	0.485	ug/l #	72
39) Methylcyclohexane	7.379	83	1824	0.990	ug/l	95
40) Benzene	6.038	78	95285	21.634	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	17508	11.174	ug/l	99
52) Toluene	8.714	92	1429	0.497	ug/l	100
67) Ethyl Benzene	10.195	91	271248	48.570	ug/l	100
68) m/p-Xylenes	10.299	106	1157m	0.534	ug/l	
69) o-Xylene	10.640	106	2252	1.068	ug/l	98
73) Isopropylbenzene	10.964	105	52908	9.735	ug/l	99
78) n-propylbenzene	11.305	91	61616	9.840	ug/l	99
83) tert-Butylbenzene	11.719	119	1398	0.301	ug/l #	65
84) 1,2,4-Trimethylbenzene	11.750	105	6844	1.481	ug/l	100
85) sec-Butylbenzene	11.890	105	29278	5.247	ug/l	91
86) p-Isopropyltoluene	12.012	119	6370m	1.345	ug/l	
89) n-Butylbenzene	12.329	91	11295	2.742	ug/l #	69
91) 1,2-Dichlorobenzene	12.335	146	962	0.388	ug/l #	80

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

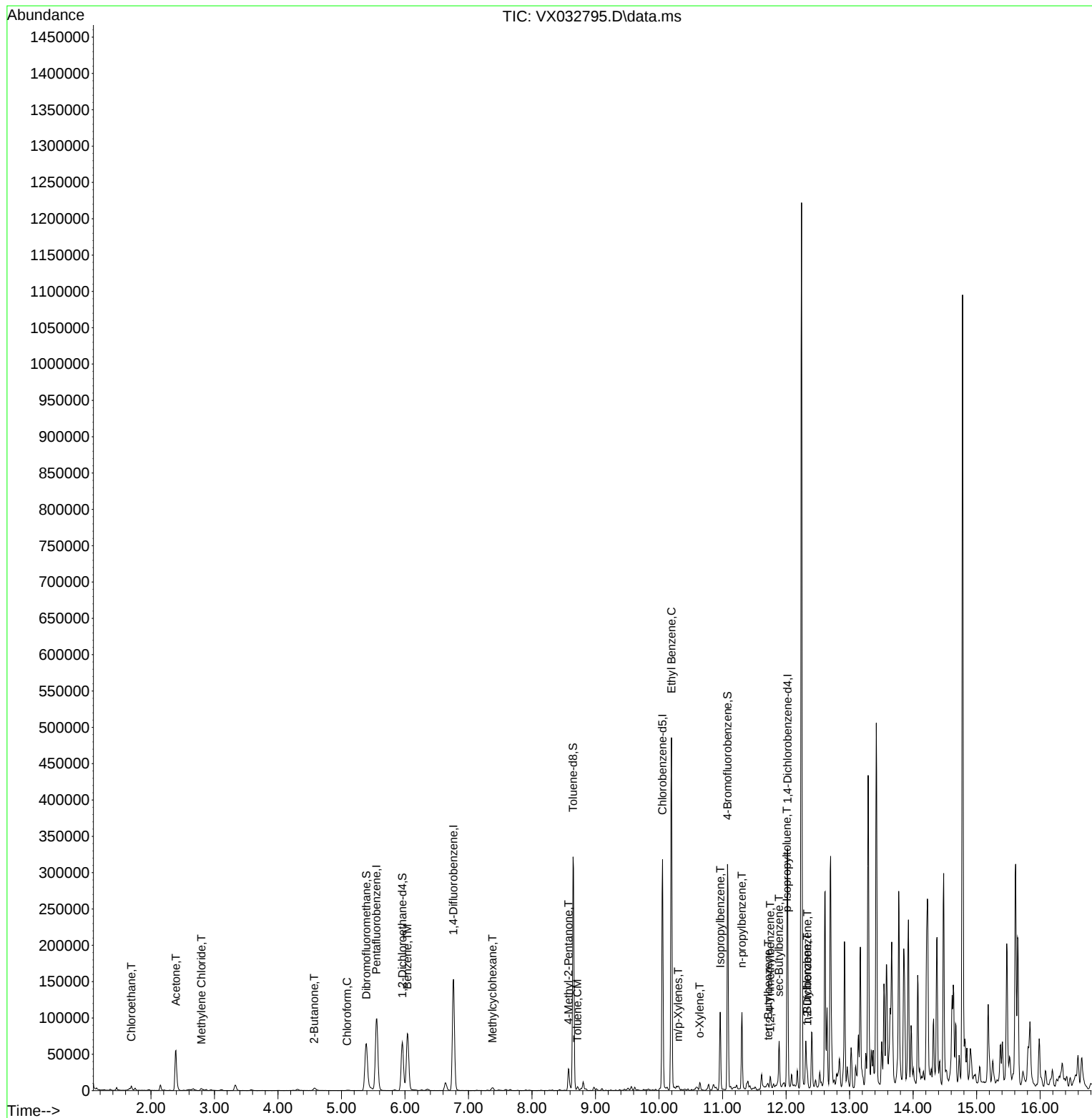
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111422\
Data File : VX032795.D
Acq On : 14 Nov 2022 15:27
Operator : JC/MD
Sample : N5557-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Quant Time: Nov 15 05:08:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 08:28:06 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

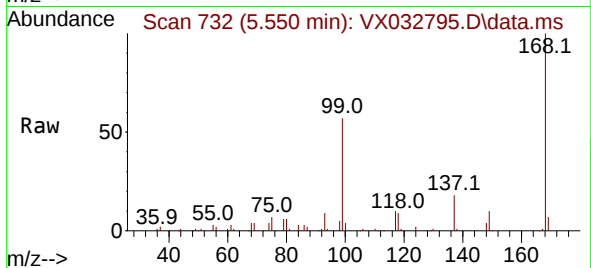
Reviewed By : John Carlone 11/15/2022
Supervised By : Mahesh Dadoda 11/15/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

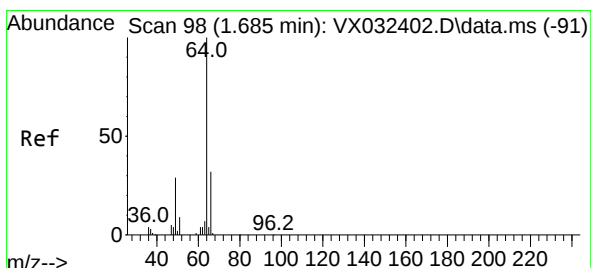
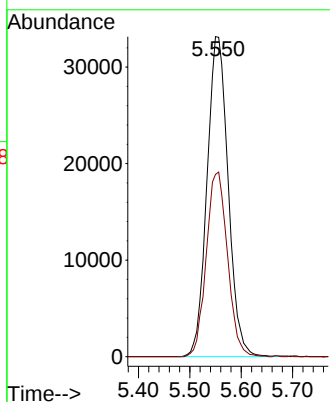
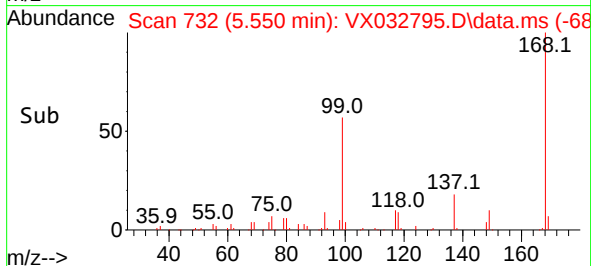
Instrument :
MSVOA_X
Client Sample Id :
MW-14



Tgt Ion: 168 Resp: 94760
Ion Ratio Lower Upper
168 100
99 56.9 46.1 69.1

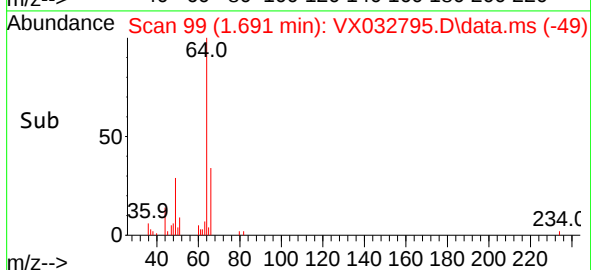
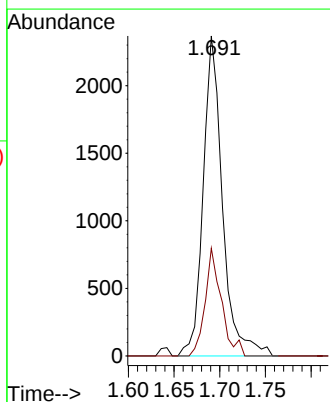
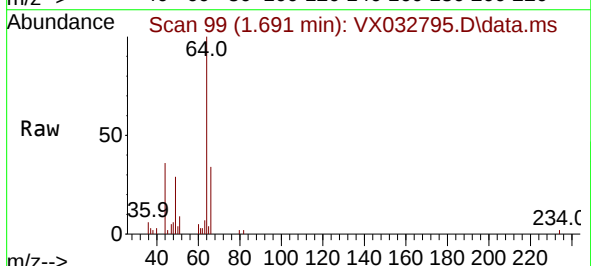
Manual Integrations
APPROVED

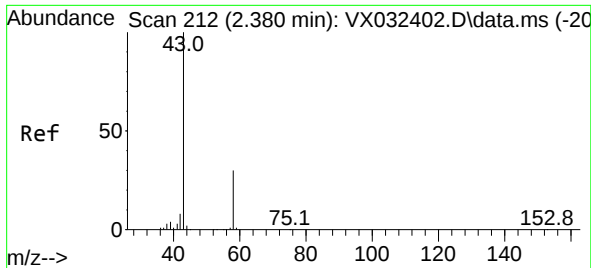
Reviewed By : John Carlone 11/15/2022
Supervised By : Mahesh Dadoda 11/15/2022



#6
Chloroethane
Concen: 5.105 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

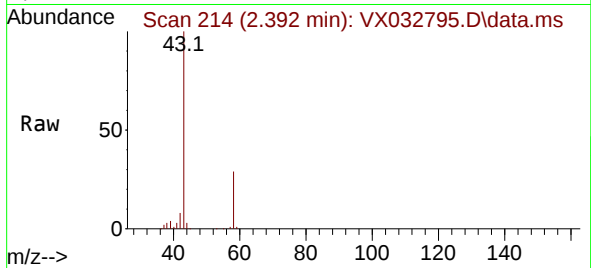
Tgt Ion: 64 Resp: 3484
Ion Ratio Lower Upper
64 100
66 33.7 26.0 39.0





#16
Acetone
Concen: 144.991 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

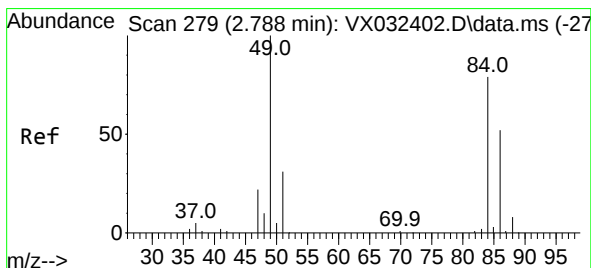
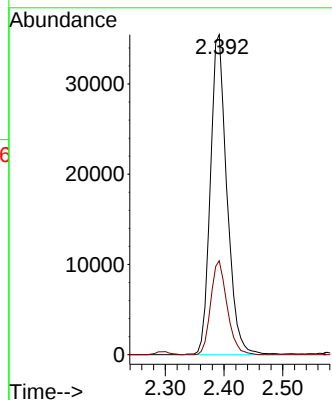
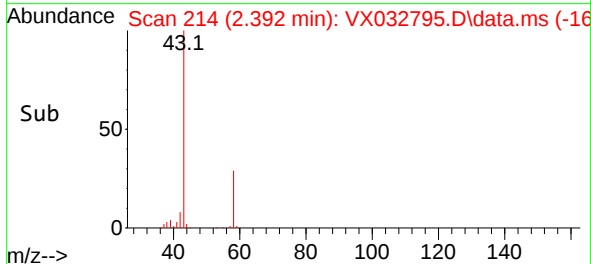
Instrument :
MSVOA_X
ClientSampleId :
MW-14



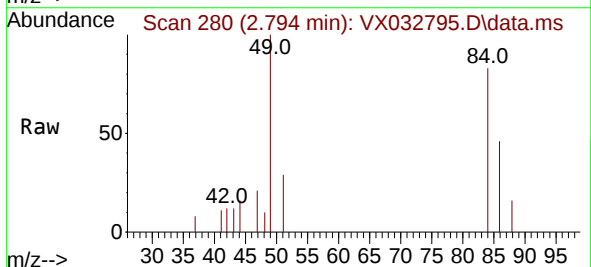
Tgt Ion: 43 Resp: 6938
Ion Ratio Lower Upper
43 100
58 29.3 23.8 35.8

Manual Integrations
APPROVED

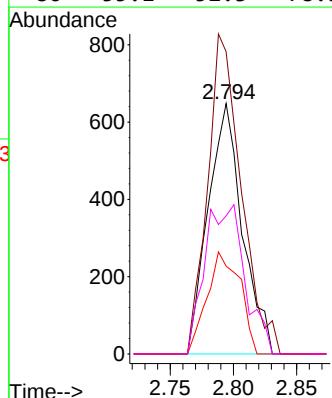
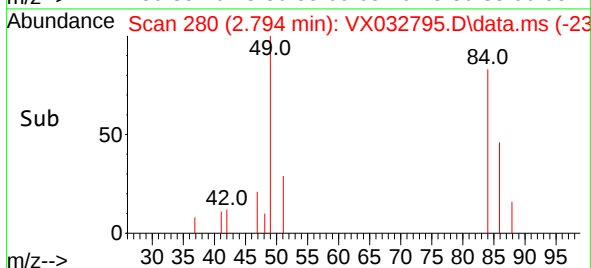
Reviewed By :John Carlone 11/15/2022
Supervised By :Mahesh Dadoda 11/15/2022

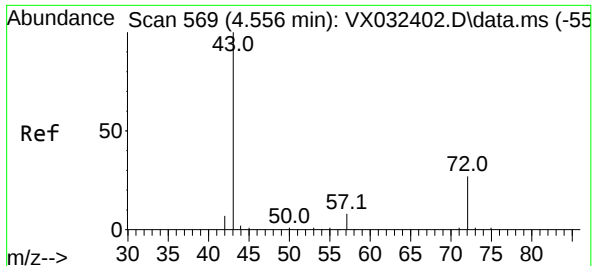


#20
Methylene Chloride
Concen: 1.111 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27



Tgt Ion: 84 Resp: 1219
Ion Ratio Lower Upper
84 100
49 120.7 101.0 151.6
51 35.0 31.1 46.7
86 55.1 52.3 78.5





#25

2-Butanone

Concen: 6.755 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX032795.D

Acq: 14 Nov 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

MW-14

Tgt Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

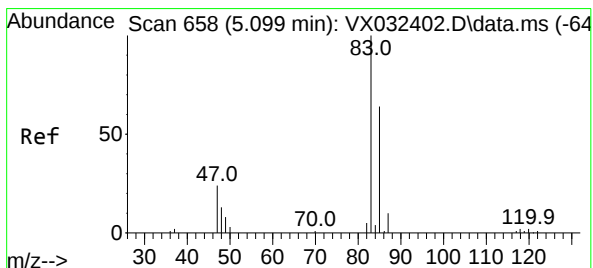
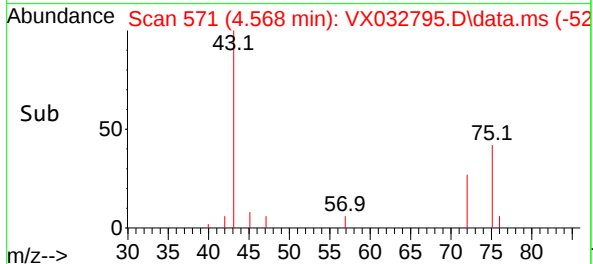
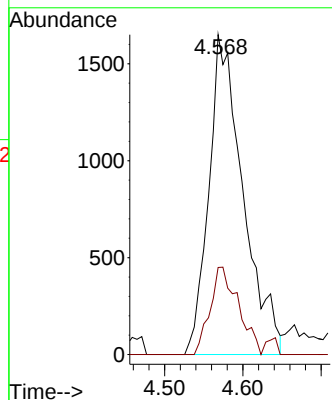
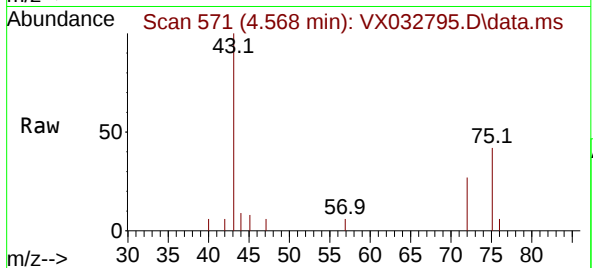
72 27.2 22.2 33.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/15/2022

Supervised By :Mahesh Dadoda 11/15/2022



#30

Chloroform

Concen: 0.485 ug/l

RT: 5.087 min Scan# 656

Delta R.T. -0.012 min

Lab File: VX032795.D

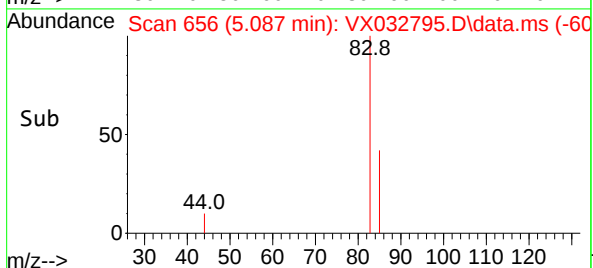
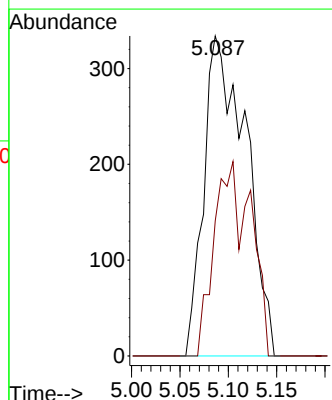
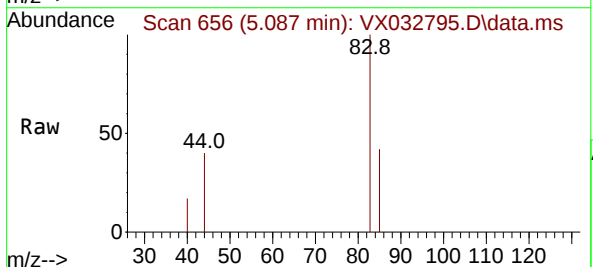
Acq: 14 Nov 2022 15:27

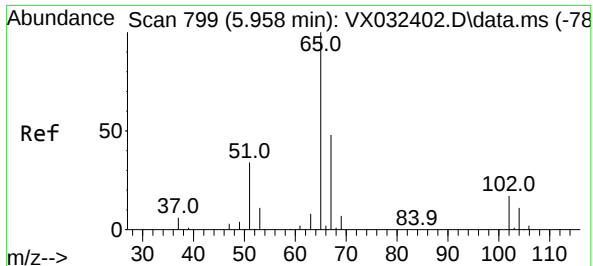
Tgt Ion: 83 Resp: 1004

Ion Ratio Lower Upper

83 100

85 42.2 51.1 76.7#





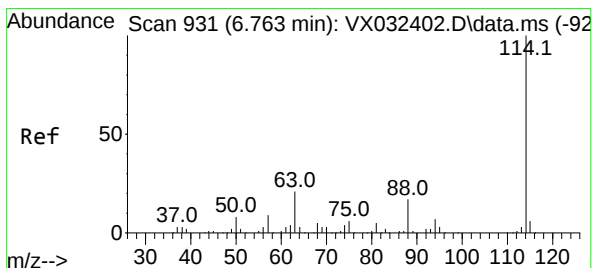
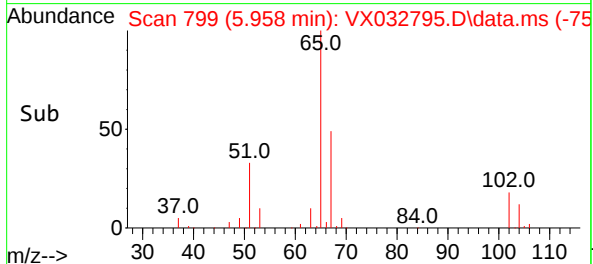
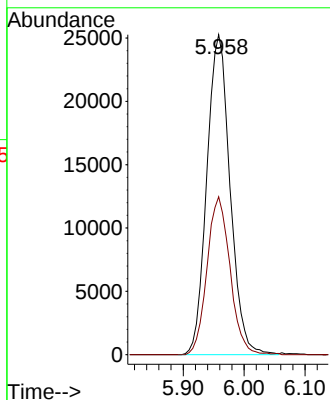
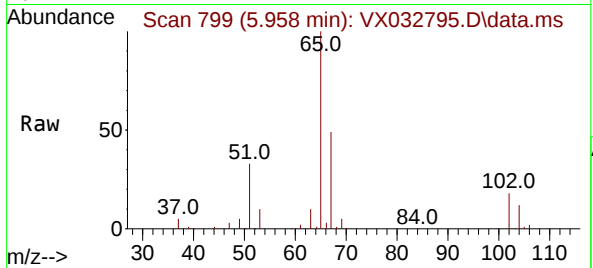
#33
 1,2-Dichloroethane-d4
 Concen: 50.799 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX032795.D
 Acq: 14 Nov 2022 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14

Tgt Ion: 65 Resp: 66880
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 101.8

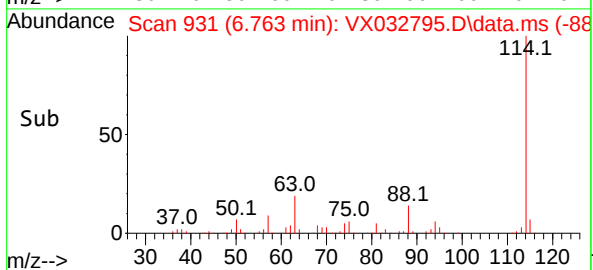
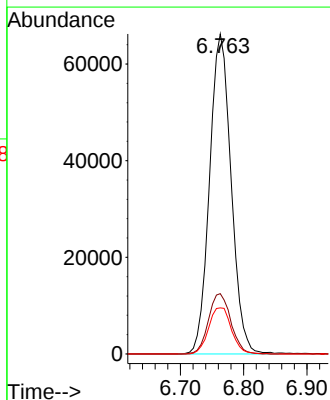
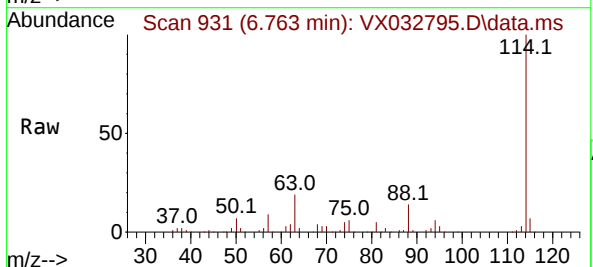
Manual Integrations
 APPROVED

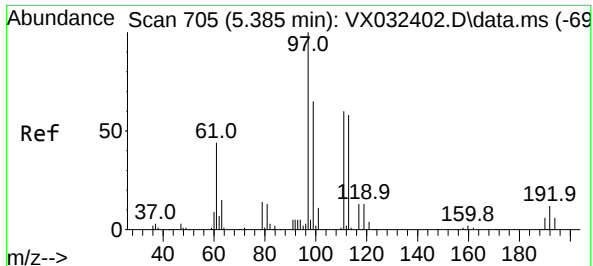
Reviewed By :John Carlone 11/15/2022
 Supervised By :Mahesh Dadoda 11/15/2022



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX032795.D
 Acq: 14 Nov 2022 15:27

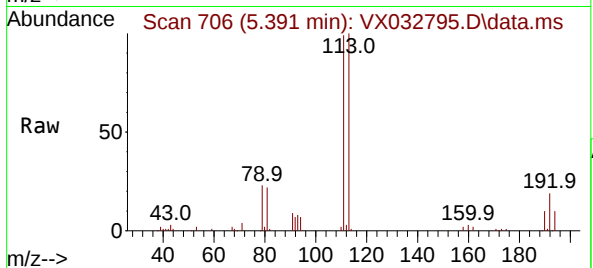
Tgt Ion:114 Resp: 156691
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.6
 88 14.4 0.0 33.4





#35
Dibromofluoromethane
Concen: 48.160 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

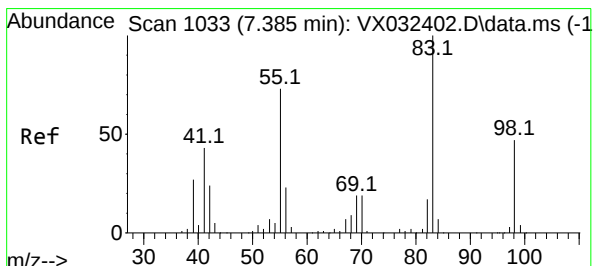
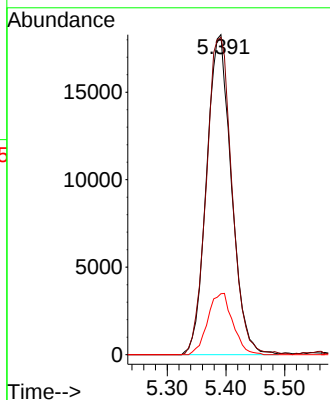
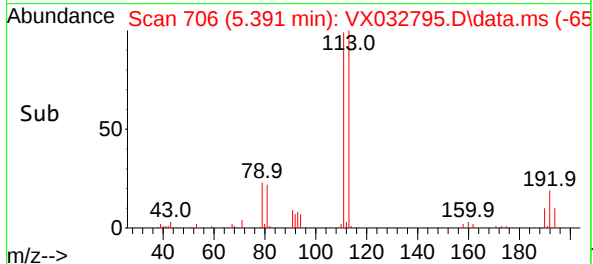
Instrument :
MSVOA_X
ClientSampleId :
MW-14



Tgt Ion: 113 Resp: 53828
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 19.2 15.4 23.2

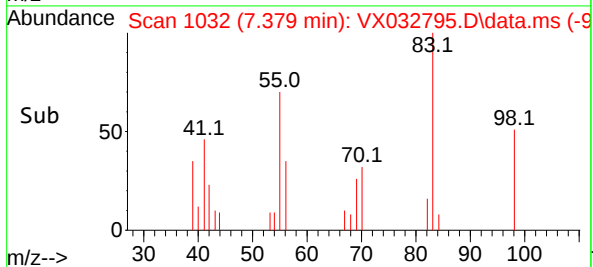
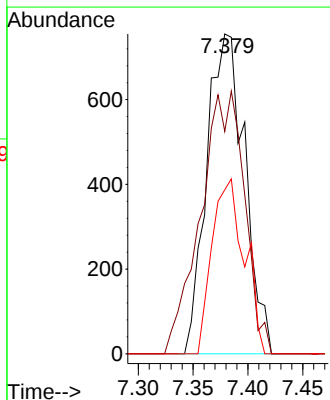
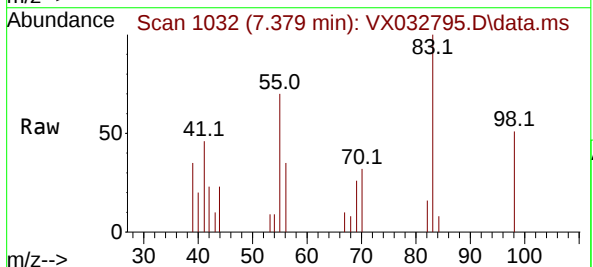
Manual Integrations
APPROVED

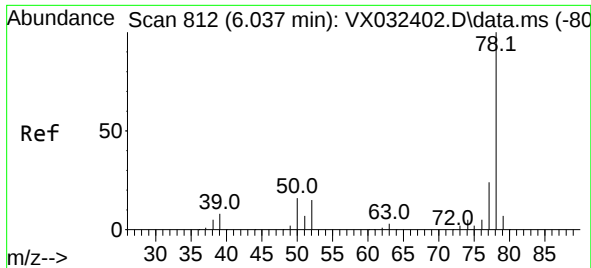
Reviewed By :John Carlone 11/15/2022
Supervised By :Mahesh Dadoda 11/15/2022



#39
Methylcyclohexane
Concen: 0.990 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

Tgt Ion: 83 Resp: 1824
Ion Ratio Lower Upper
83 100
55 69.5 58.4 87.6
98 51.3 37.2 55.8





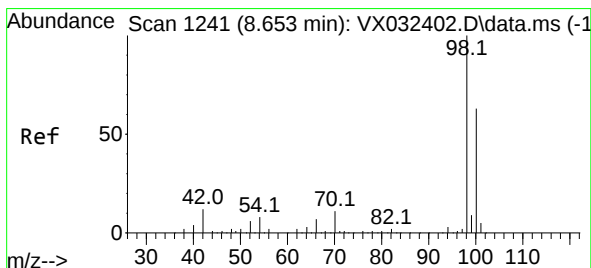
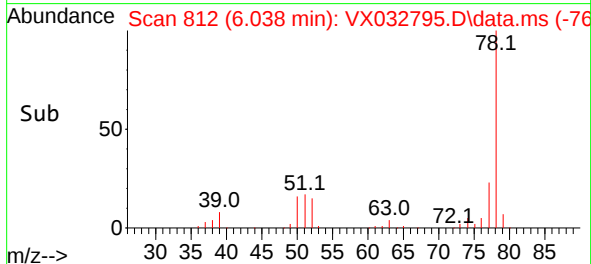
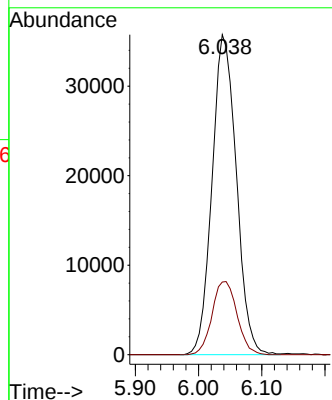
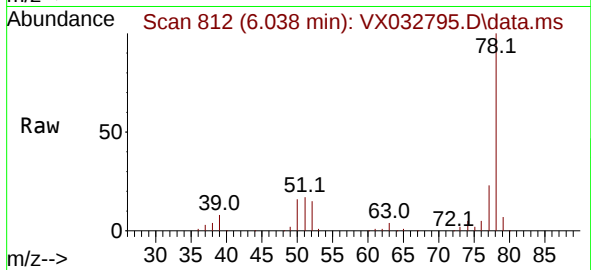
#40
Benzene
Concen: 21.634 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tgt Ion: 78 Resp: 9528
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.4

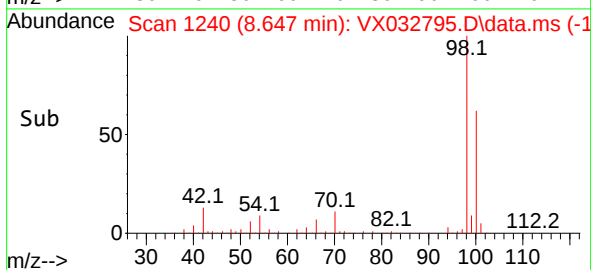
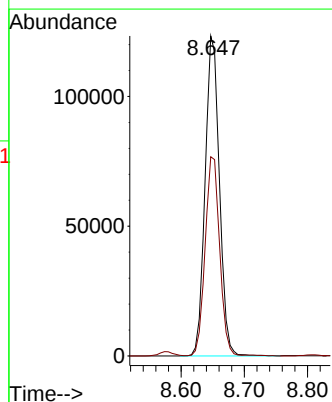
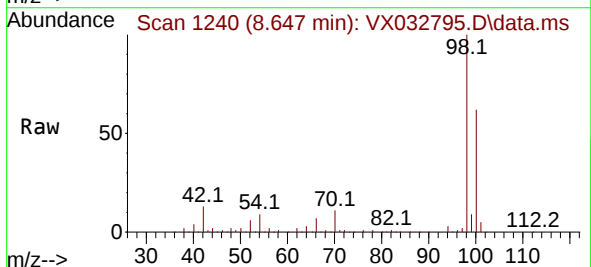
Manual Integrations
APPROVED

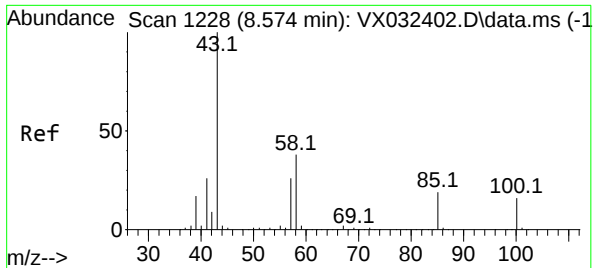
Reviewed By :John Carlone 11/15/2022
Supervised By :Mahesh Dadoda 11/15/2022



#50
Toluene-d8
Concen: 50.011 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

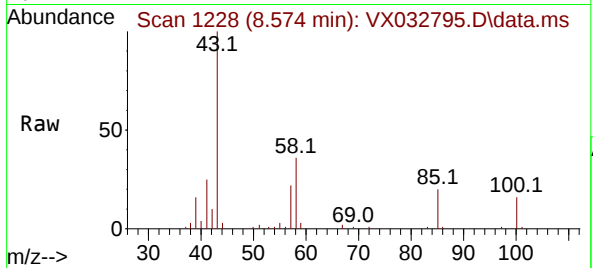
Tgt Ion: 98 Resp: 194366
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3





#51
4-Methyl-2-Pentanone
Concen: 11.174 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

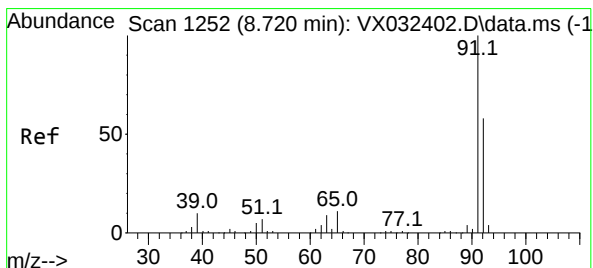
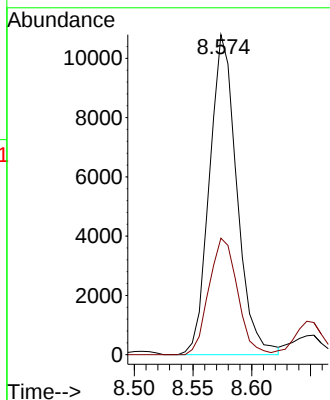
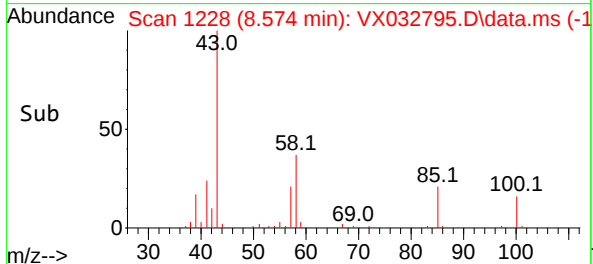
Instrument :
MSVOA_X
ClientSampleId :
MW-14



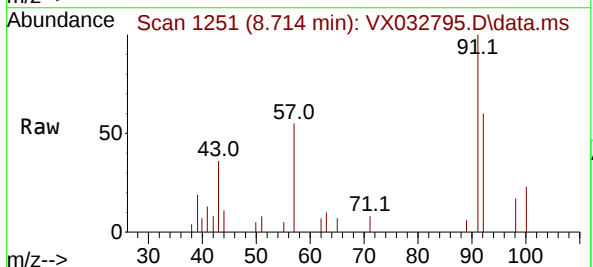
Tgt Ion: 43 Resp: 17508
Ion Ratio Lower Upper
43 100
58 38.0 30.9 46.3

Manual Integrations
APPROVED

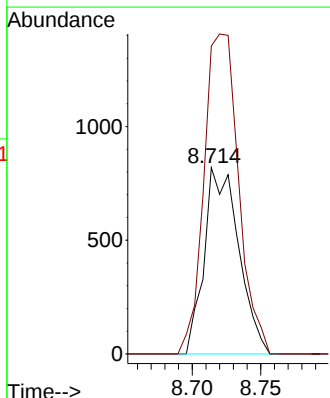
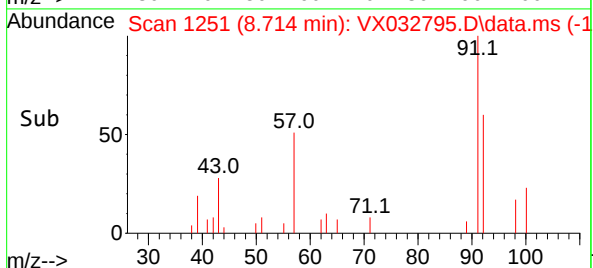
Reviewed By :John Carlone 11/15/2022
Supervised By :Mahesh Dadoda 11/15/2022

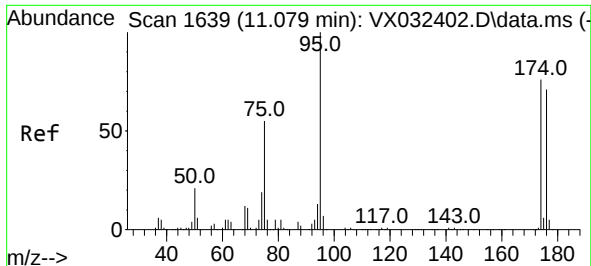


#52
Toluene
Concen: 0.497 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27



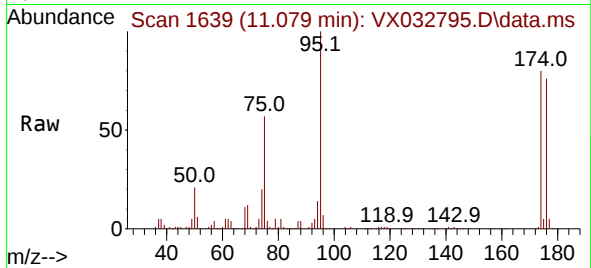
Tgt Ion: 92 Resp: 1429
Ion Ratio Lower Upper
92 100
91 173.4 138.3 207.5





#62
4-Bromofluorobenzene
Concen: 49.881 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

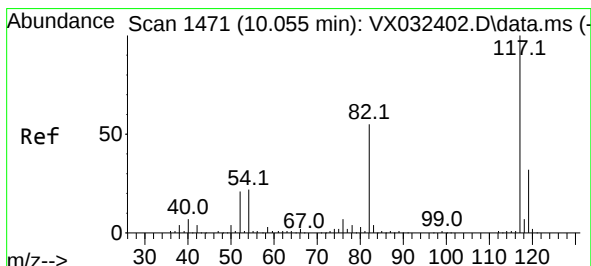
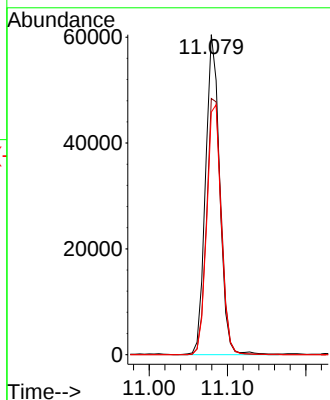
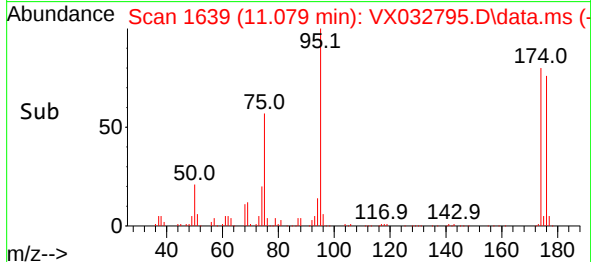
Instrument :
MSVOA_X
ClientSampleId :
MW-14



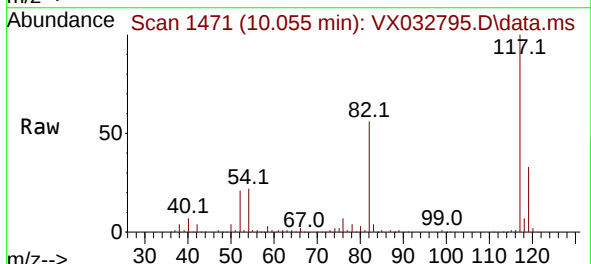
Tgt Ion: 95 Resp: 75720
Ion Ratio Lower Upper
95 100
174 83.3 0.0 164.0
176 79.9 0.0 154.4

Manual Integrations
APPROVED

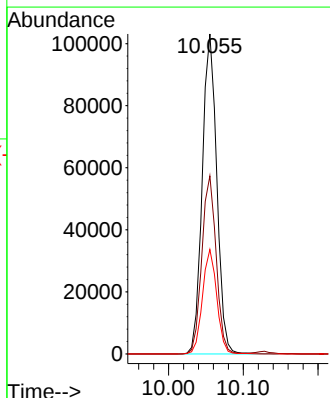
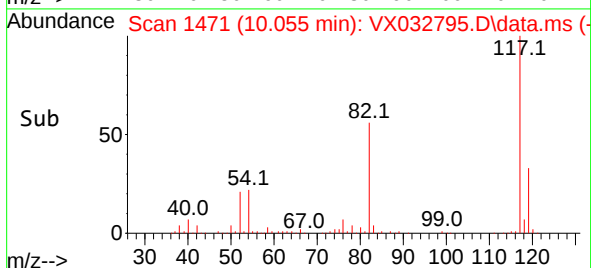
Reviewed By :John Carlone 11/15/2022
Supervised By :Mahesh Dadoda 11/15/2022

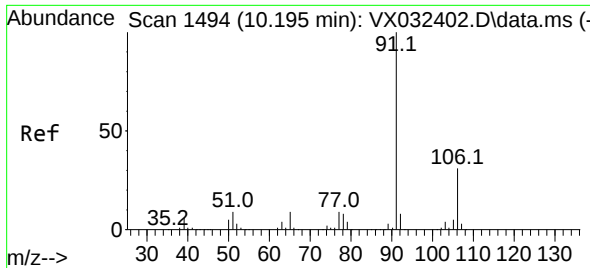


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27



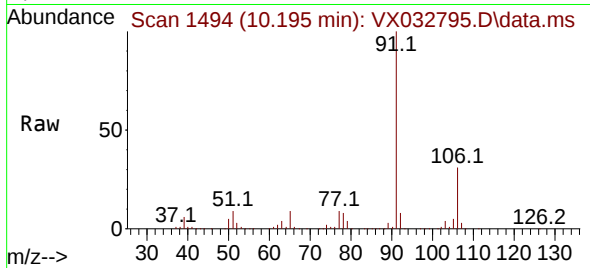
Tgt Ion:117 Resp: 139418
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 32.7 25.7 38.5





#67
Ethyl Benzene
Concen: 48.570 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

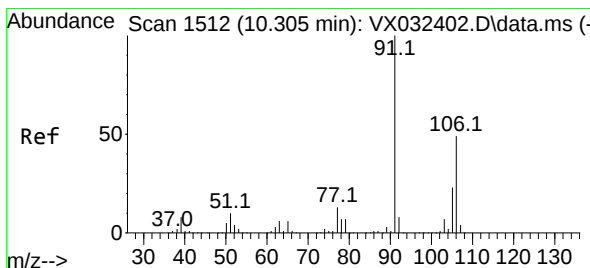
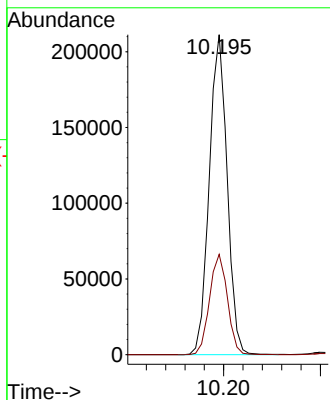
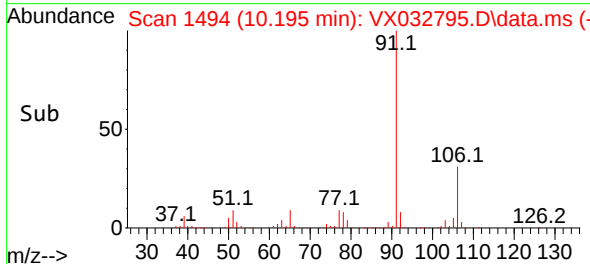
Instrument :
MSVOA_X
ClientSampleId :
MW-14



Tgt Ion: 91 Resp: 271248
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6

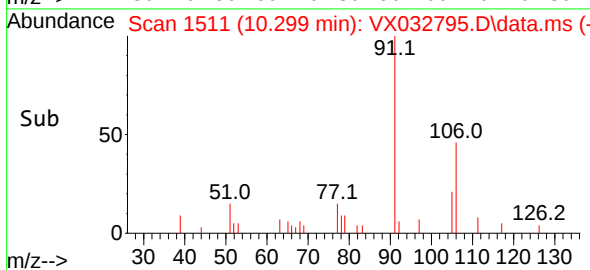
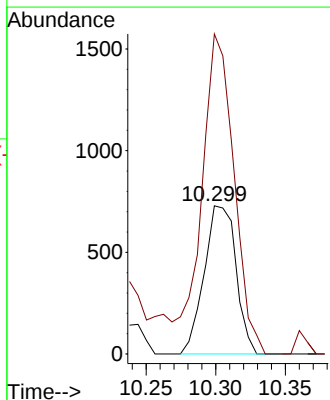
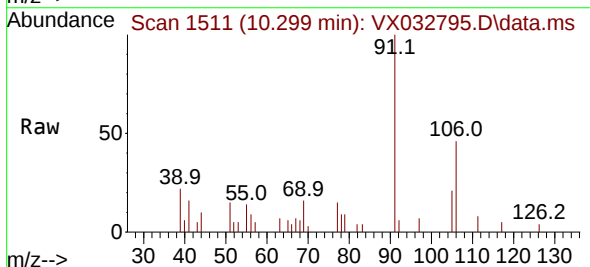
Manual Integrations
APPROVED

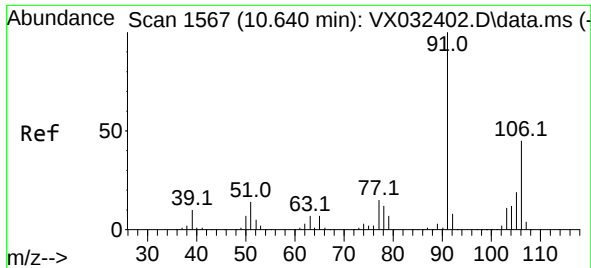
Reviewed By :John Carlone 11/15/2022
Supervised By :Mahesh Dadoda 11/15/2022



#68
m/p-Xylenes
Concen: 0.534 ug/l m
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

Tgt Ion:106 Resp: 1157
Ion Ratio Lower Upper
106 100
91 23444.1 164.5 246.7#





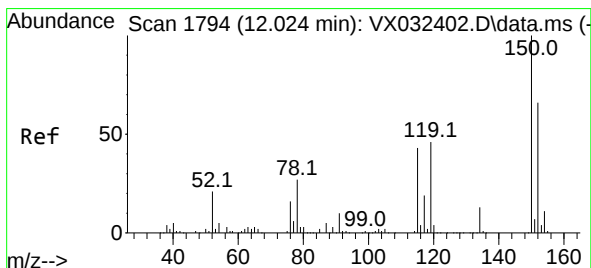
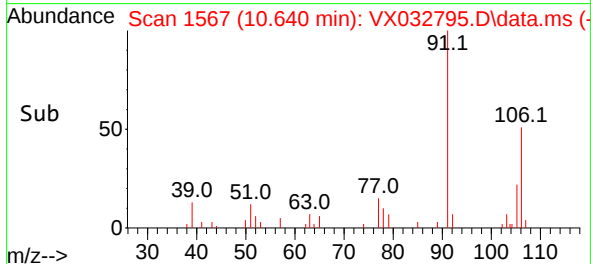
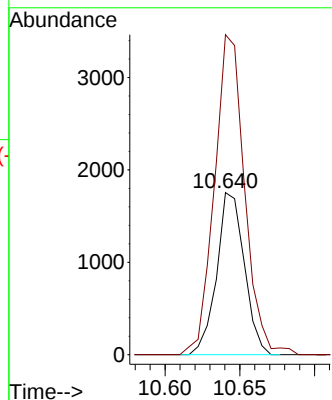
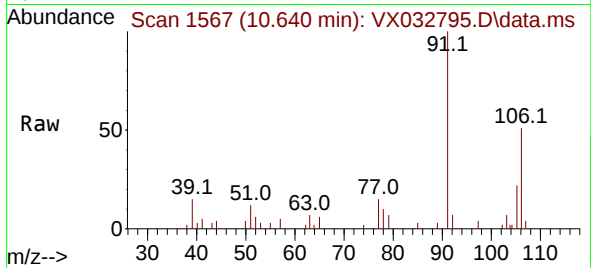
#69
o-Xylene
Concen: 1.068 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tgt Ion:106 Resp: 225
Ion Ratio Lower Upper
106 100
91 216.0 109.2 327.6

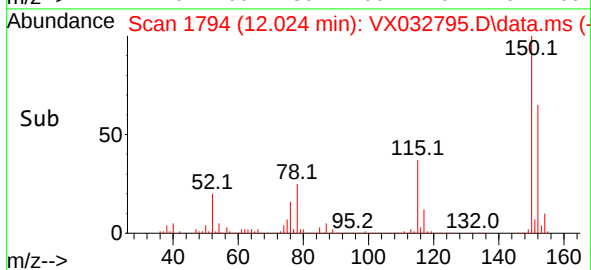
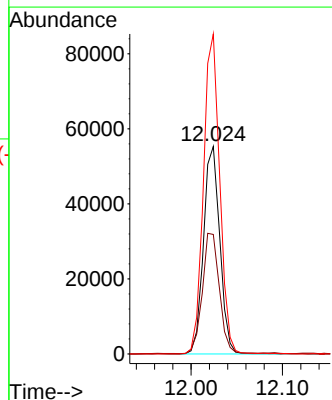
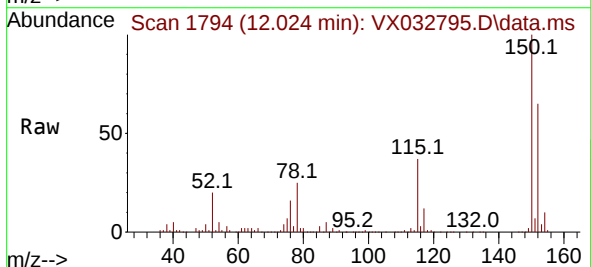
Manual Integrations
APPROVED

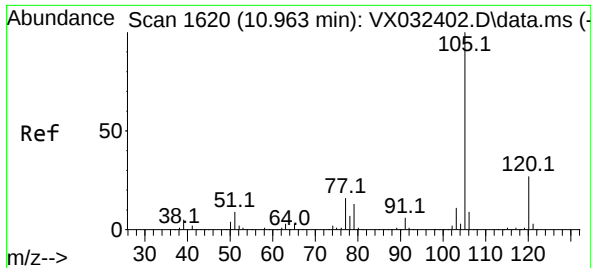
Reviewed By :John Carlone 11/15/2022
Supervised By :Mahesh Dadoda 11/15/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

Tgt Ion:152 Resp: 68586
Ion Ratio Lower Upper
152 100
115 60.5 44.0 132.0
150 154.0 0.0 351.8





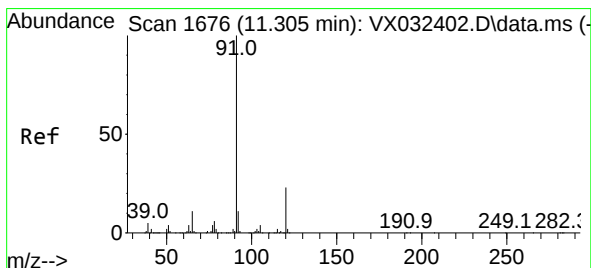
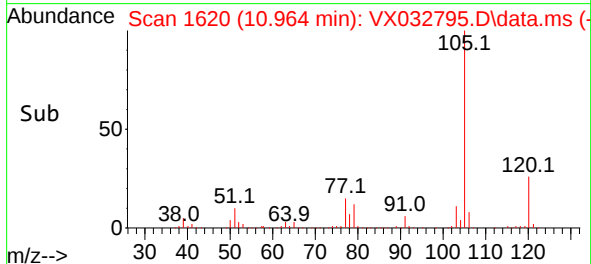
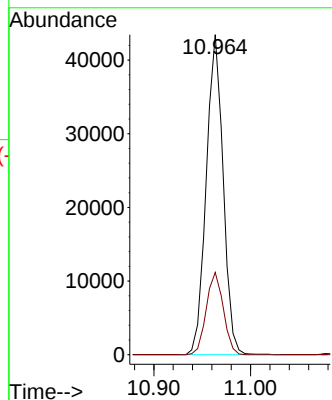
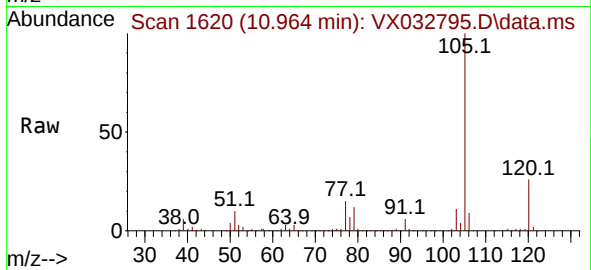
#73
Isopropylbenzene
Concen: 9.735 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tgt Ion:105 Resp: 52908
Ion Ratio Lower Upper
105 100
120 25.9 13.1 39.3

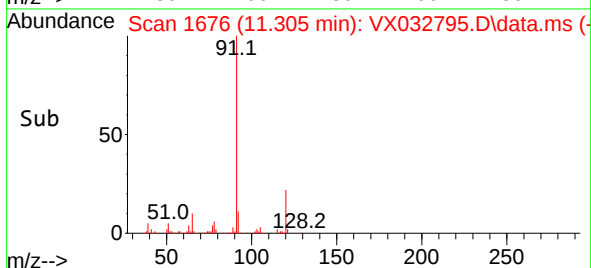
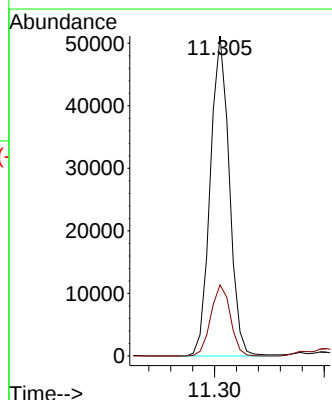
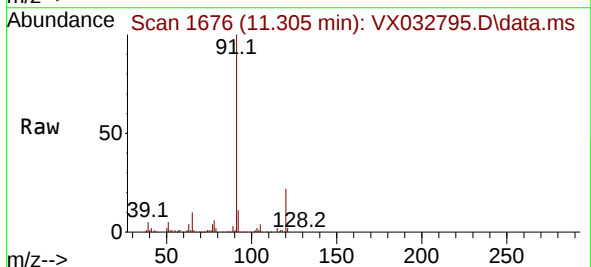
Manual Integrations
APPROVED

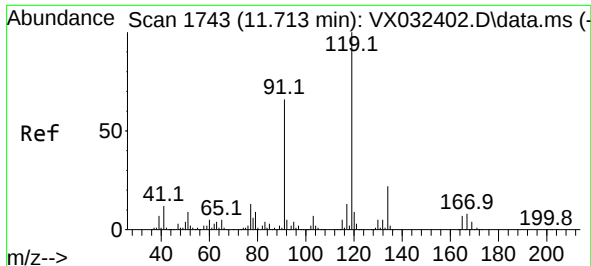
Reviewed By :John Carlone 11/15/2022
Supervised By :Mahesh Dadoda 11/15/2022



#78
n-propylbenzene
Concen: 9.840 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX032795.D
Acq: 14 Nov 2022 15:27

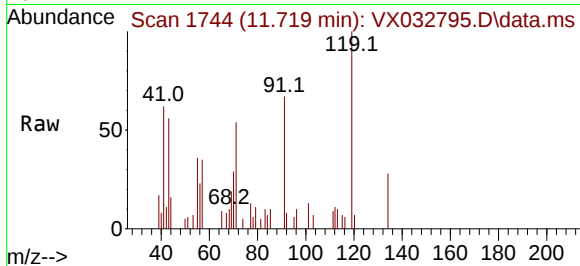
Tgt Ion: 91 Resp: 61616
Ion Ratio Lower Upper
91 100
120 22.8 11.6 34.8





#83
 tert-Butylbenzene
 Concen: 0.301 ug/l
 RT: 11.719 min Scan# 1744
 Delta R.T. 0.006 min
 Lab File: VX032795.D
 Acq: 14 Nov 2022 15:27

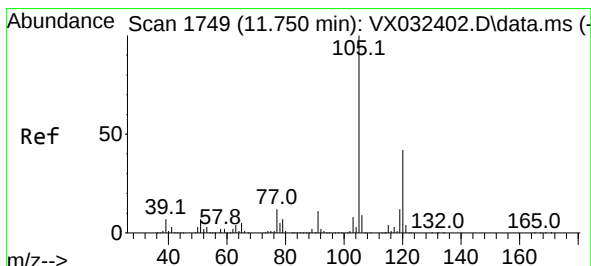
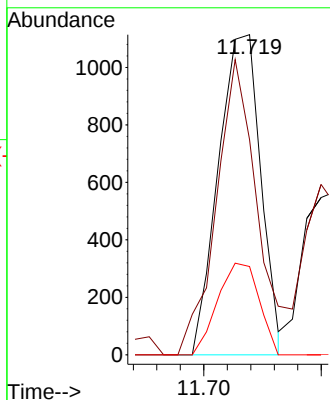
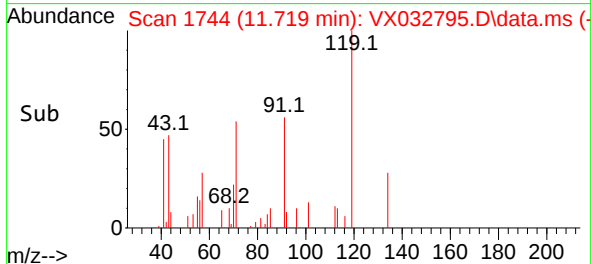
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14



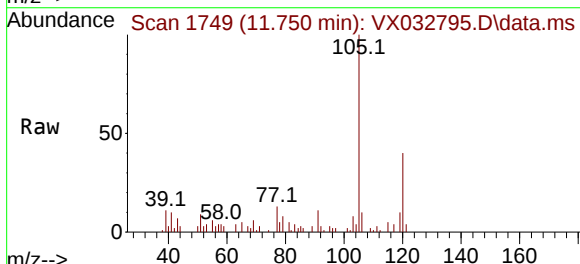
Tgt Ion:119 Resp: 1398
 Ion Ratio Lower Upper
 119 100
 91 90.9 29.4 88.2
 134 28.0 11.0 33.0

Manual Integrations
 APPROVED

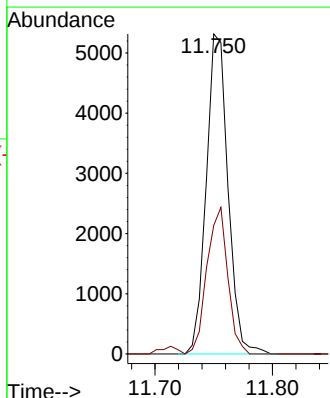
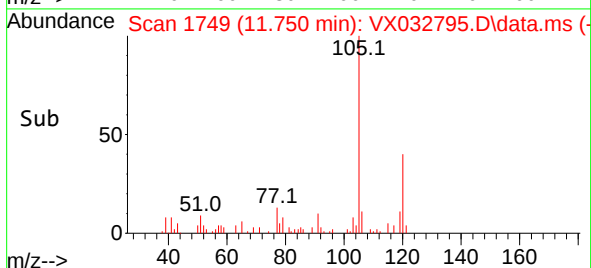
Reviewed By :John Carlone 11/15/2022
 Supervised By :Mahesh Dadoda 11/15/2022

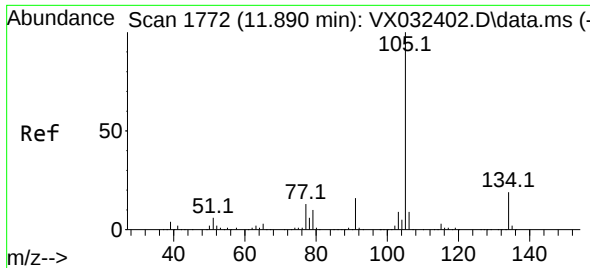


#84
 1,2,4-Trimethylbenzene
 Concen: 1.481 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX032795.D
 Acq: 14 Nov 2022 15:27



Tgt Ion:105 Resp: 6844
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.5





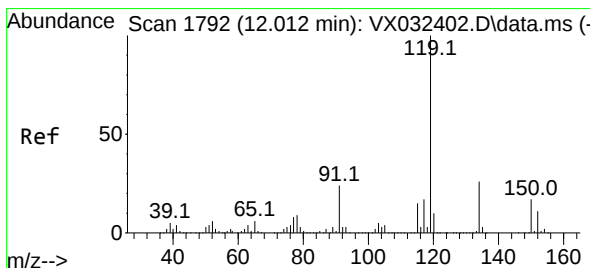
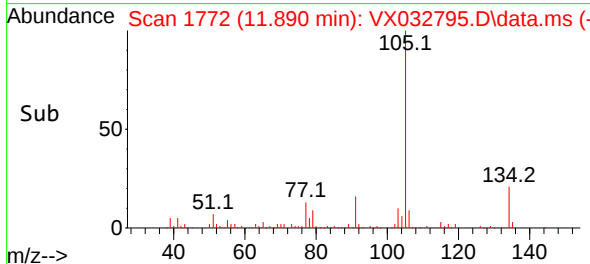
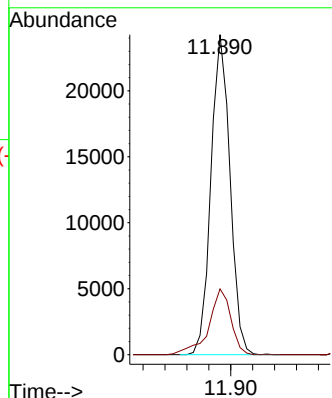
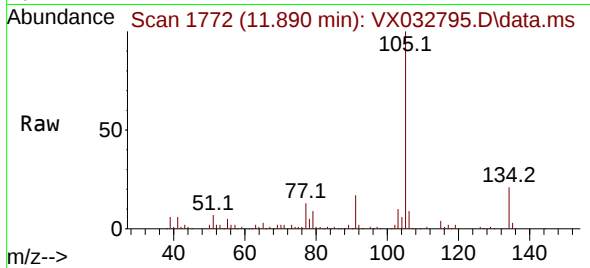
#85
 sec-Butylbenzene
 Concen: 5.247 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX032795.D
 Acq: 14 Nov 2022 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14

Tgt Ion:105 Resp: 29278
 Ion Ratio Lower Upper
 105 100
 134 23.7 9.9 29.7

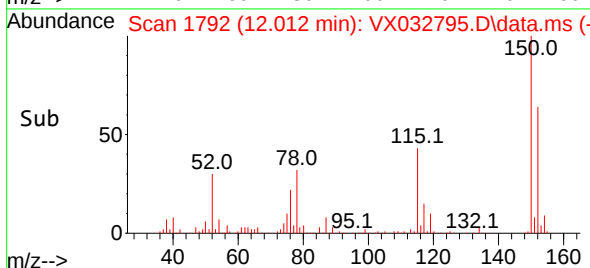
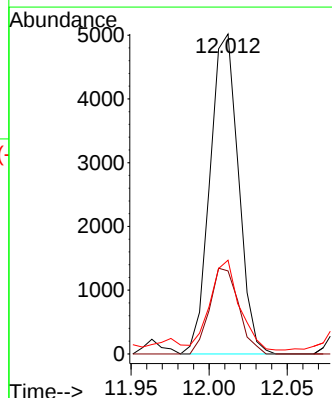
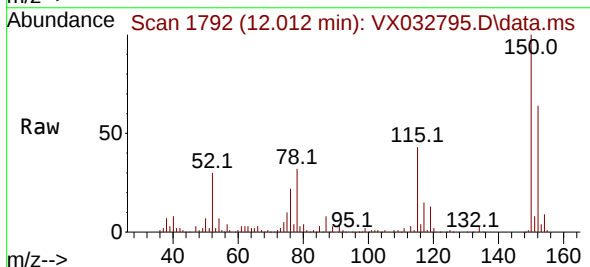
Manual Integrations
 APPROVED

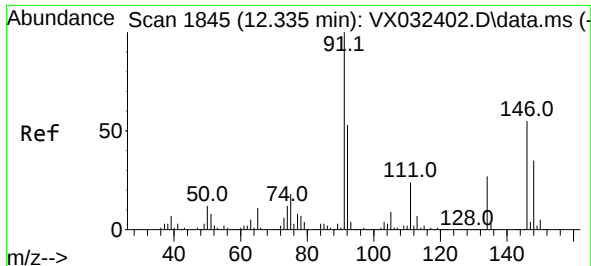
Reviewed By :John Carlone 11/15/2022
 Supervised By :Mahesh Dadoda 11/15/2022



#86
 p-Isopropyltoluene
 Concen: 1.345 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX032795.D
 Acq: 14 Nov 2022 15:27

Tgt Ion:119 Resp: 6370
 Ion Ratio Lower Upper
 119 100
 134 42.1 12.9 38.7#
 91 42.4 12.5 37.5#





#89

n-Butylbenzene

Concen: 2.742 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX032795.D

Acq: 14 Nov 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

MW-14

Tgt Ion: 91 Resp: 1129

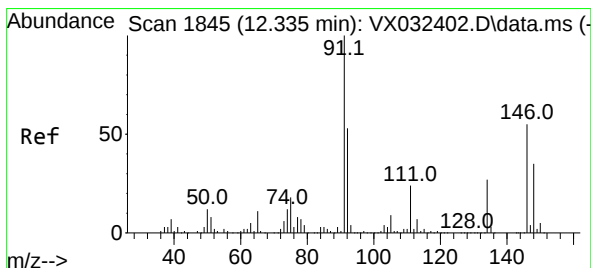
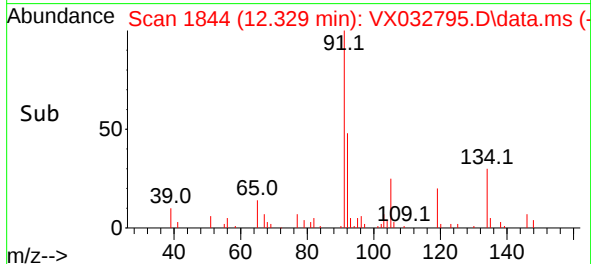
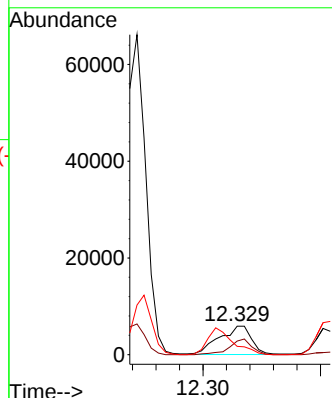
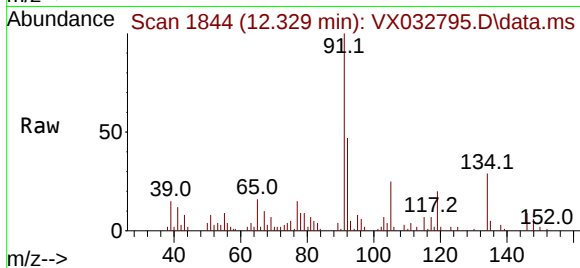
Ion	Ratio	Lower	Upper
91	100		
92	37.7	26.2	78.6
134	0.0	12.9	38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/15/2022

Supervised By :Mahesh Dadoda 11/15/2022



#91

1,2-Dichlorobenzene

Concen: 0.388 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX032795.D

Acq: 14 Nov 2022 15:27

Tgt Ion:146 Resp: 962

Ion	Ratio	Lower	Upper
146	100		
111	69.0	21.5	64.5
148	59.4	32.0	96.2

