

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
 Data File : VX033156.D
 Acq On : 01 Dec 2022 12:28
 Operator : JC/MD
 Sample : N5815-25
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15

Quant Time: Dec 02 00:49:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/02/2022
 Supervised By : Mahesh Dadoda 12/02/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	149930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	247727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76944	52.688	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.380%			
35) Dibromofluoromethane	5.391	113	62499	44.751	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.500%			
50) Toluene-d8	8.647	98	221483	52.830	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.660%			
62) 4-Bromofluorobenzene	11.079	95	88534	48.259	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.520%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	35011	28.313	ug/l	96
6) Chloroethane	1.691	64	12072	10.770	ug/l	93
11) Tert butyl alcohol	2.989	59	8112	35.048	ug/l #	72
16) Acetone	2.386	43	240643	352.905	ug/l	99
17) Carbon Disulfide	2.514	76	75659	20.930	ug/l	99
25) 2-Butanone	4.556	43	218576	232.461	ug/l	100
31) Cyclohexane	5.477	56	425596	179.895	ug/l	95
39) Methylcyclohexane	7.379	83	371149	145.667	ug/l	94
40) Benzene	6.038	78	521683	83.322	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	18723	9.417	ug/l	99
52) Toluene	8.720	92	76709	18.622	ug/l	99
59) 2-Hexanone	9.433	43	26115	17.781	ug/l	96
67) Ethyl Benzene	10.201	91	9189613	1135.669	ug/l #	81
68) m/p-Xylenes	10.311	106	3417516	1078.537	ug/l	87
69) o-Xylene	10.640	106	106989	34.896	ug/l	97
73) Isopropylbenzene	10.963	105	996691	122.909	ug/l	100
78) n-propylbenzene	11.305	91	3629347	391.449	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	868695	127.519	ug/l	100
83) tert-Butylbenzene	11.719	119	5854m	0.863	ug/l	
84) 1,2,4-Trimethylbenzene	11.756	105	6644724	978.226	ug/l	91
85) sec-Butylbenzene	11.890	105	234462	28.901	ug/l	98
86) p-Isopropyltoluene	12.012	119	88963m	12.943	ug/l	
89) n-Butylbenzene	12.335	91	511785	86.431	ug/l #	46
95) Naphthalene	13.774	128	2203541	303.669	ug/l	99

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

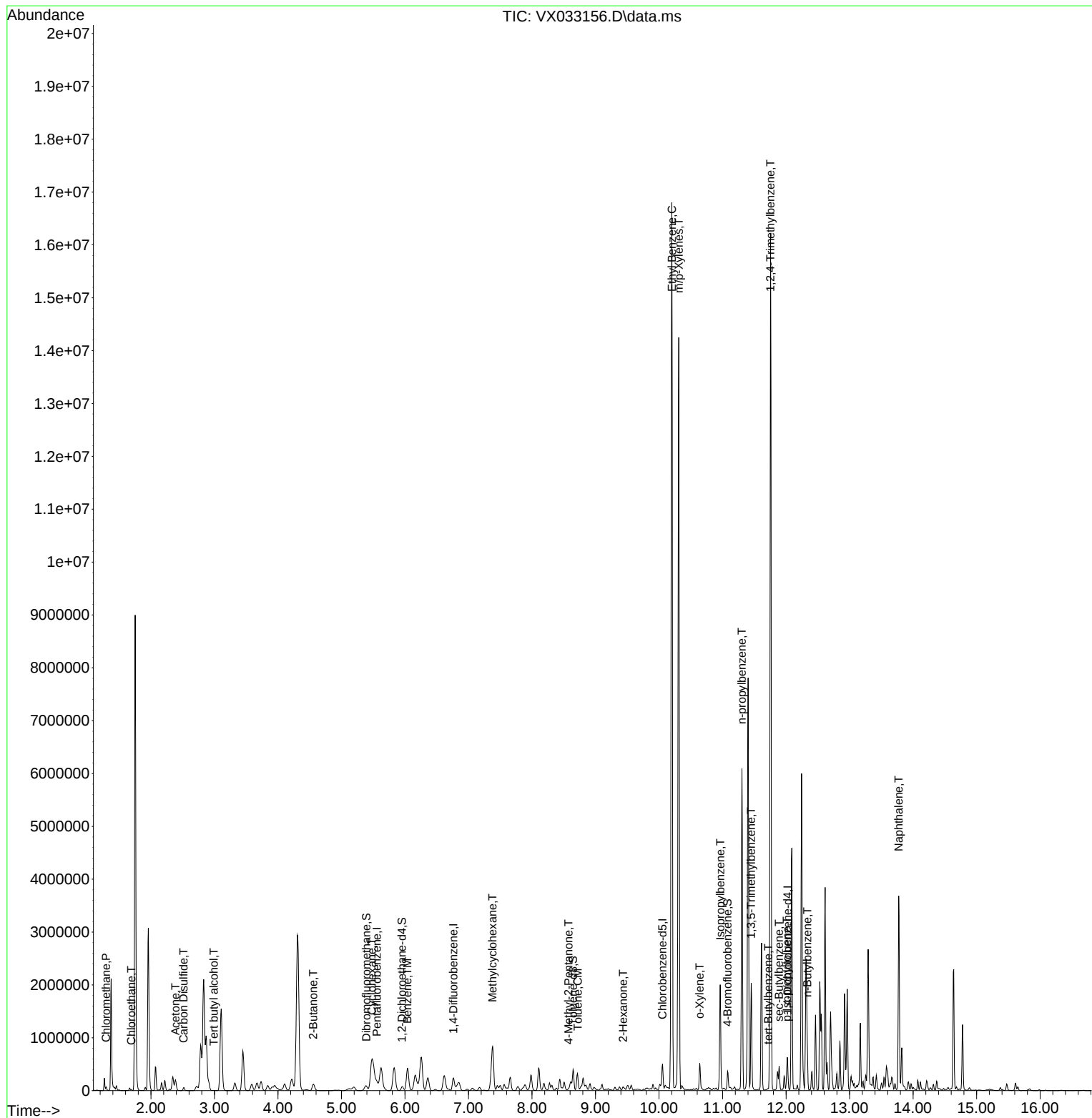
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
Data File : VX033156.D
Acq On : 01 Dec 2022 12:28
Operator : JC/MD
Sample : N5815-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

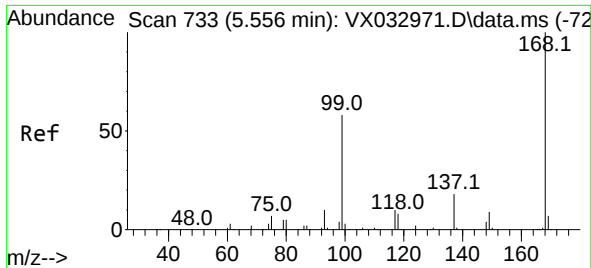
Instrument :
MSVOA_X
ClientSampleId :
MW-15

Quant Time: Dec 02 00:49:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
Response via : Initial Calibration

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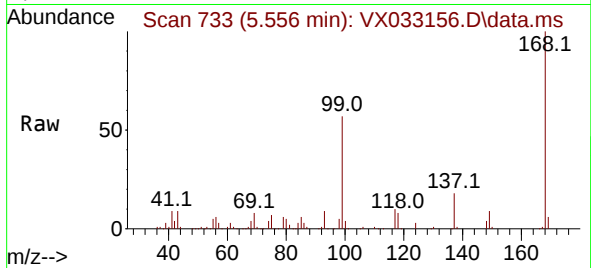
Reviewed By : John Carlone 12/02/2022
Supervised By : Mahesh Dadoda 12/02/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

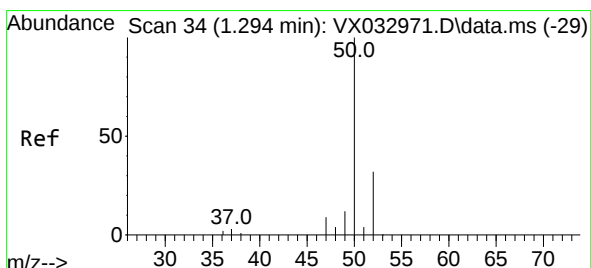
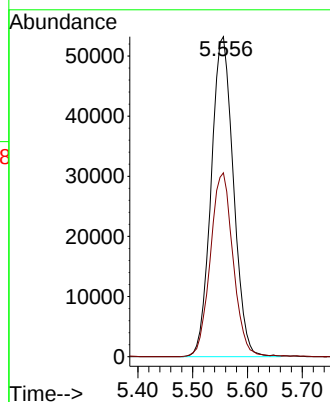
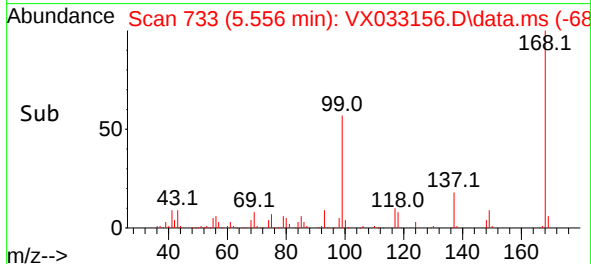
Instrument :
MSVOA_X
ClientSampleId :
MW-15



Tgt Ion:168 Resp: 149930
Ion Ratio Lower Upper
168 100
99 57.4 46.1 69.1

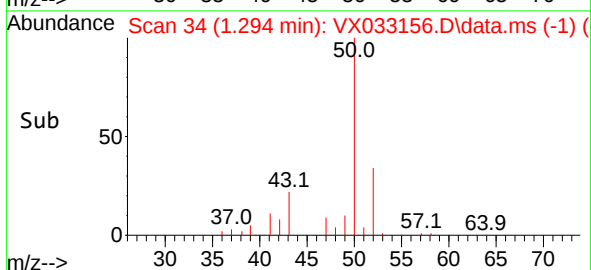
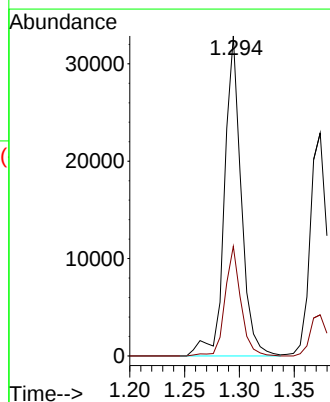
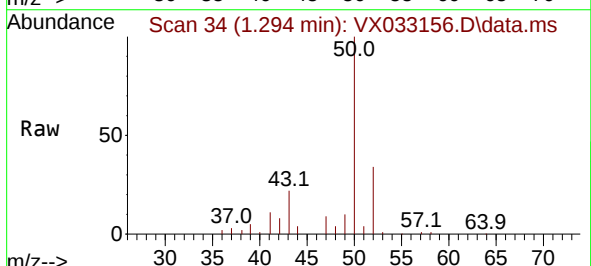
Manual Integrations
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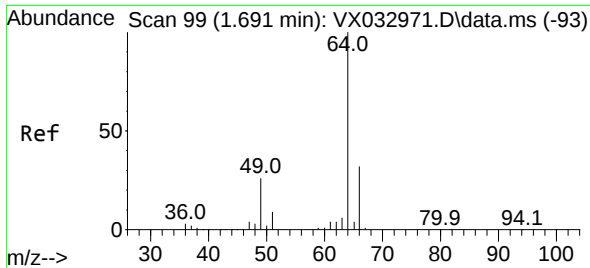
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#3
Chloromethane
Concen: 28.313 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Tgt Ion: 50 Resp: 35011
Ion Ratio Lower Upper
50 100
52 34.3 25.4 38.2





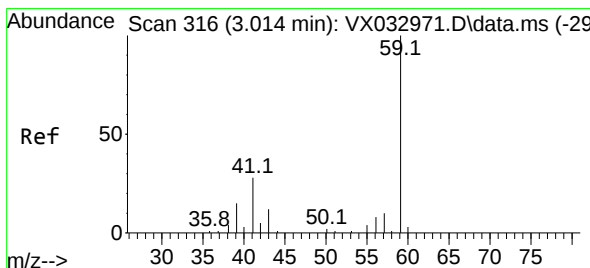
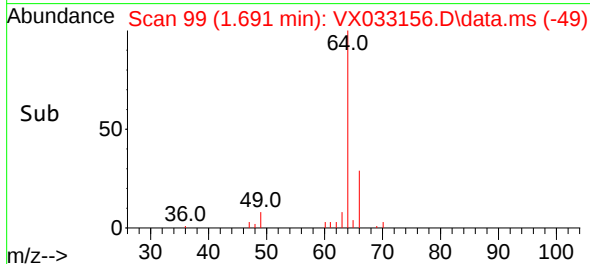
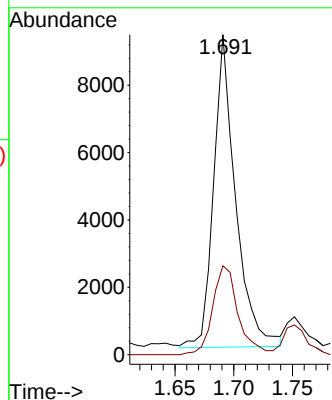
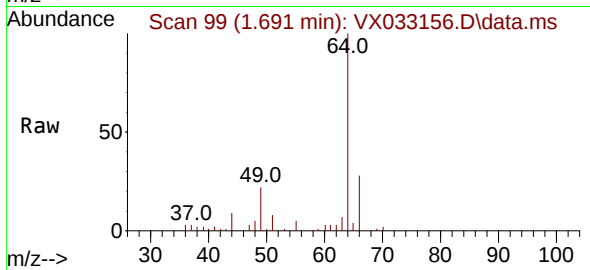
#6
Chloroethane
Concen: 10.770 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Instrument :
MSVOA_X
ClientSampleId :
MW-15

Tgt Ion: 64 Resp: 12072
Ion Ratio Lower Upper
64 100
66 28.6 26.0 39.0

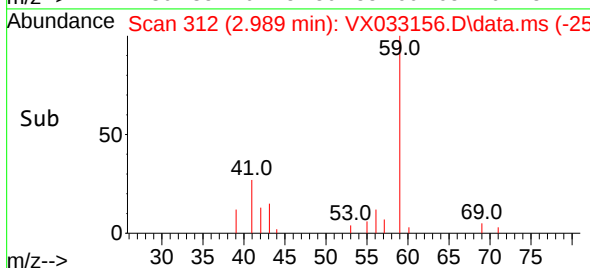
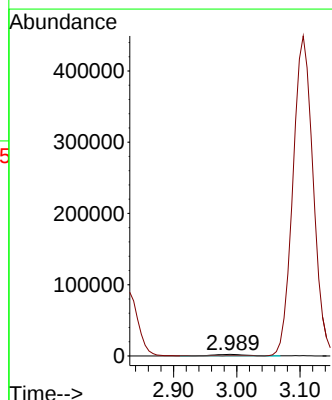
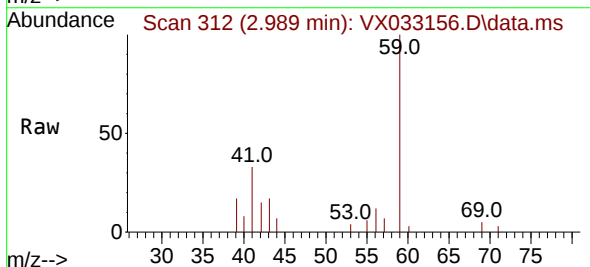
Manual Integrations
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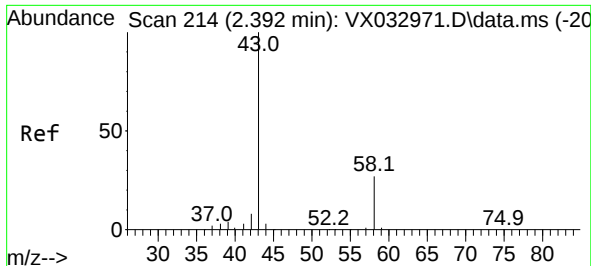
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#11
Tert butyl alcohol
Concen: 35.048 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Tgt Ion: 59 Resp: 8112
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





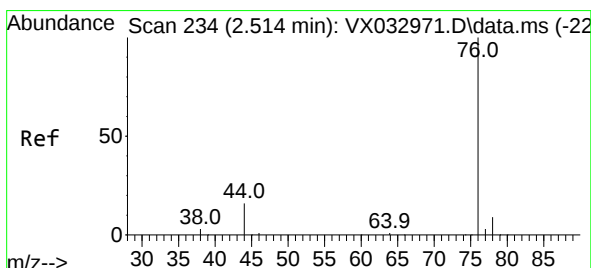
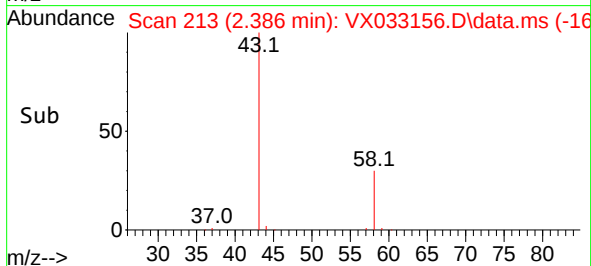
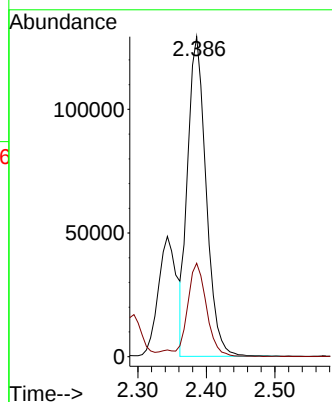
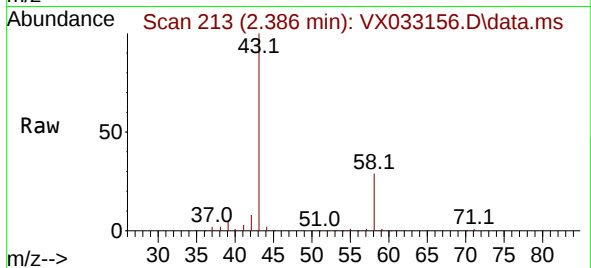
#16
Acetone
Concen: 352.905 ug/l
RT: 2.386 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Instrument :
MSVOA_X
ClientSampleId :
MW-15

Tgt Ion: 43 Resp: 24064
Ion Ratio Lower Upper
43 100
58 29.2 23.8 35.8

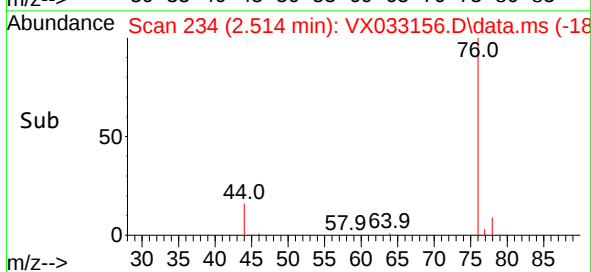
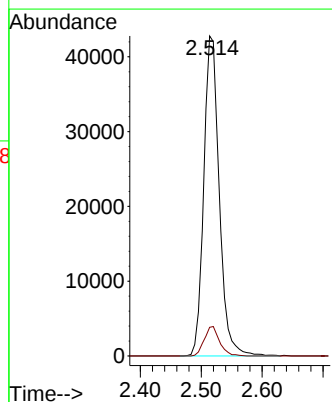
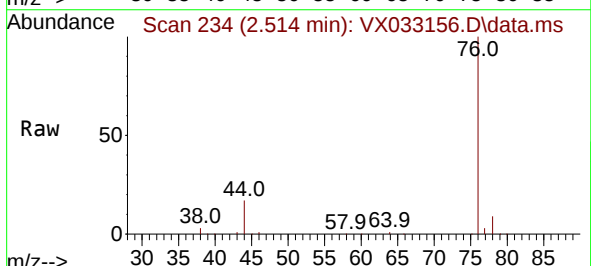
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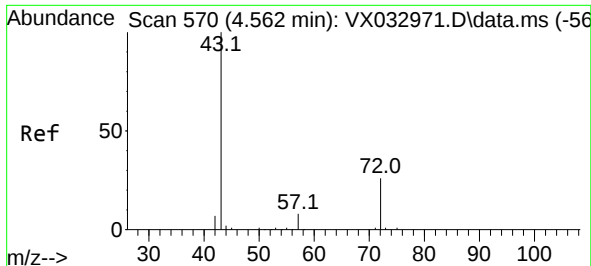
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#17
Carbon Disulfide
Concen: 20.930 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Tgt Ion: 76 Resp: 75659
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3





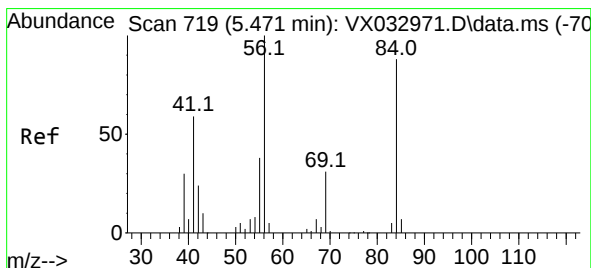
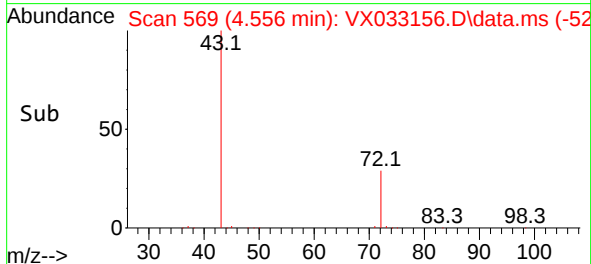
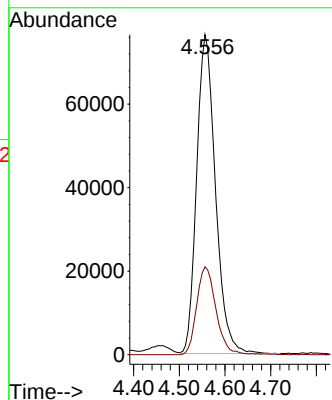
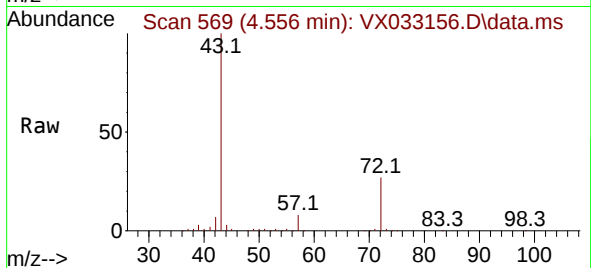
#25
2-Butanone
Concen: 232.461 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Instrument :
MSVOA_X
ClientSampleId :
MW-15

Tgt Ion: 43 Resp: 218570
Ion Ratio Lower Upper
43 100
72 27.6 22.2 33.2

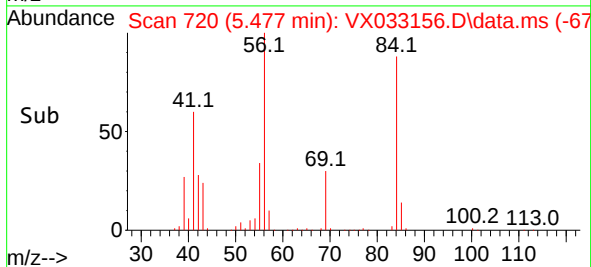
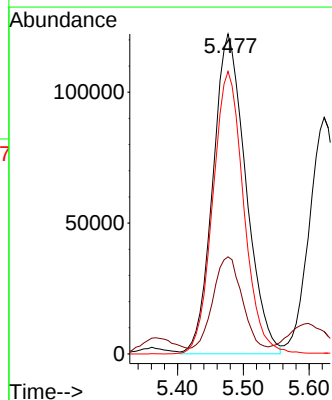
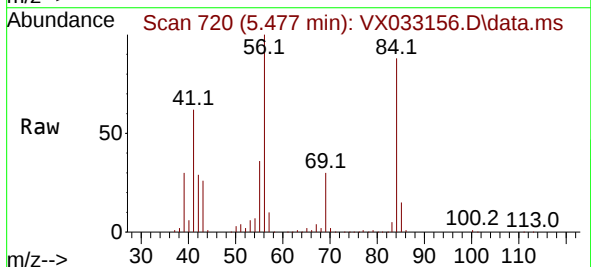
Manual Integrations
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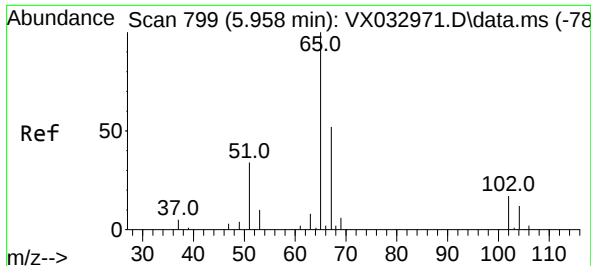
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#31
Cyclohexane
Concen: 179.895 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.007 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Tgt Ion: 56 Resp: 425596
Ion Ratio Lower Upper
56 100
69 27.9 24.1 36.1
84 88.6 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 52.688 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033156.D

Acq: 01 Dec 2022 12:28

Instrument :

MSVOA_X

ClientSampleId :

MW-15

Tgt Ion: 65 Resp: 76944

Ion Ratio Lower Upper

65 100

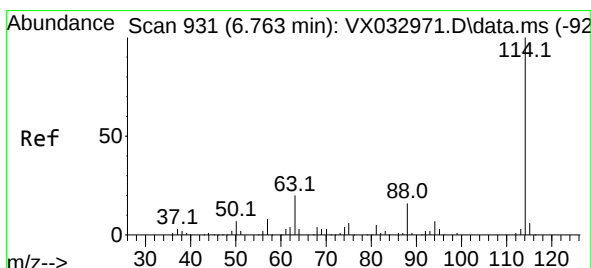
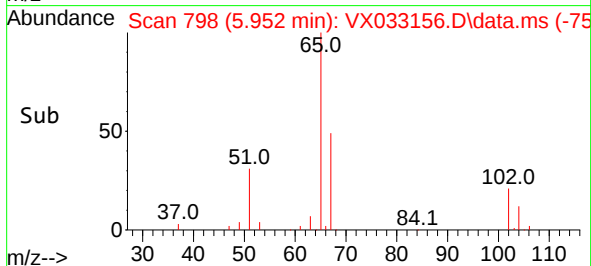
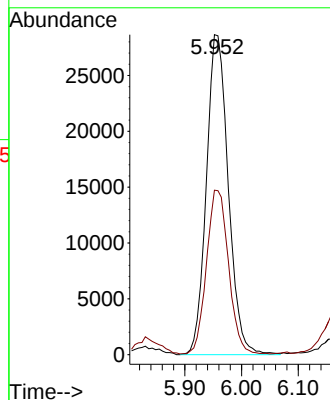
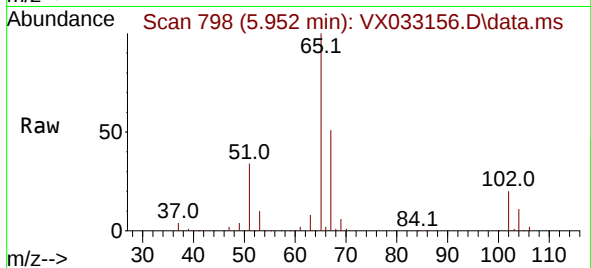
67 51.4 0.0 101.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033156.D

Acq: 01 Dec 2022 12:28

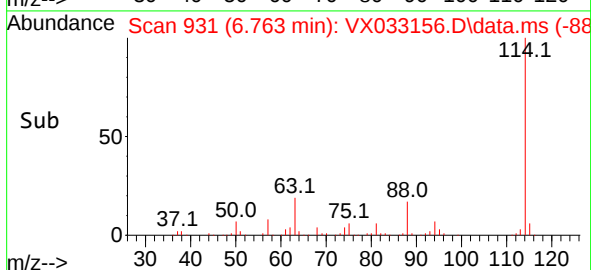
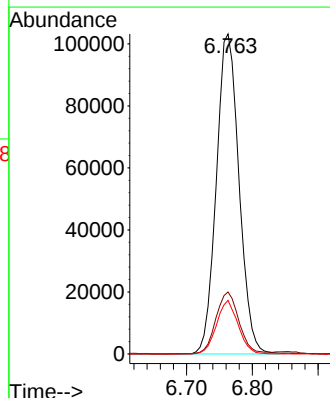
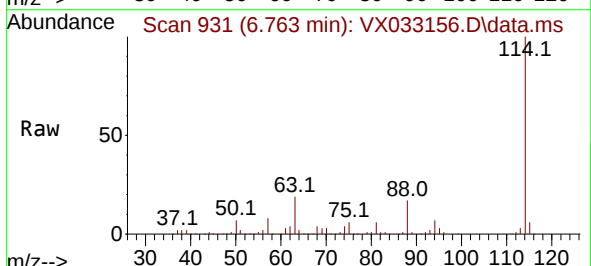
Tgt Ion:114 Resp: 247727

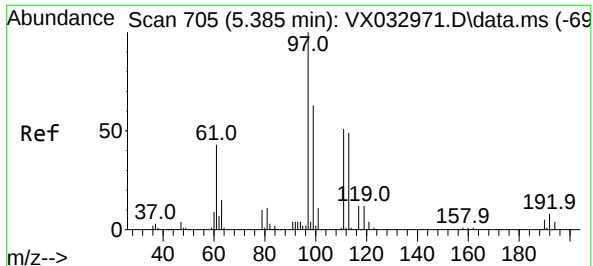
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.6

88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 44.751 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX033156.D

Acq: 01 Dec 2022 12:28

Instrument :

MSVOA_X

ClientSampleId :

MW-15

Tgt Ion:113 Resp: 62499

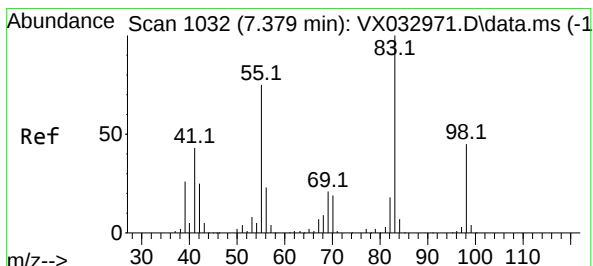
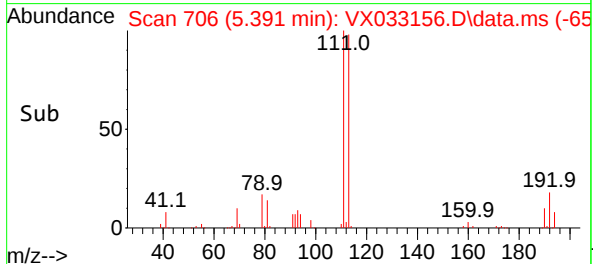
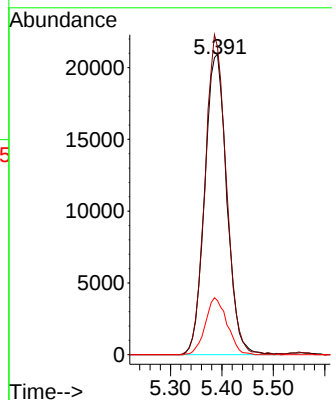
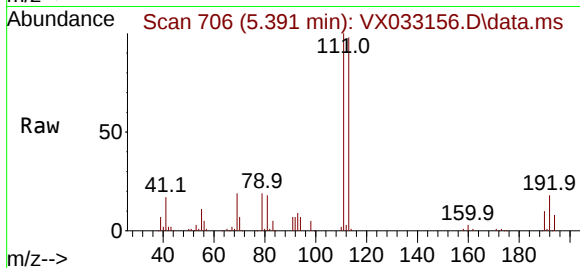
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	18.6	15.4	23.2

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 12/02/2022



#39

Methylcyclohexane

Concen: 145.667 ug/l

RT: 7.379 min Scan# 1032

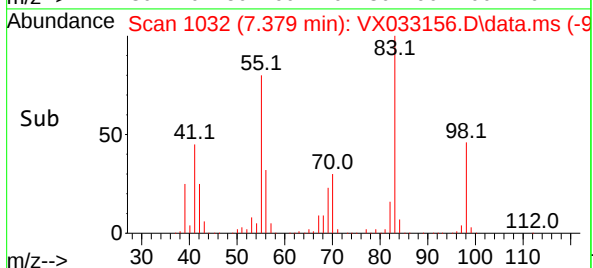
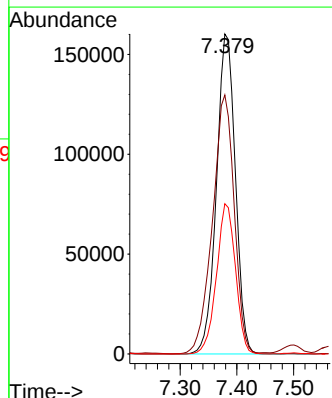
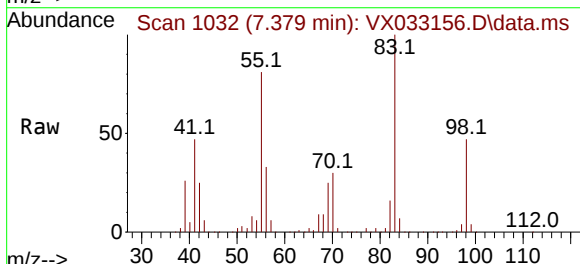
Delta R.T. -0.006 min

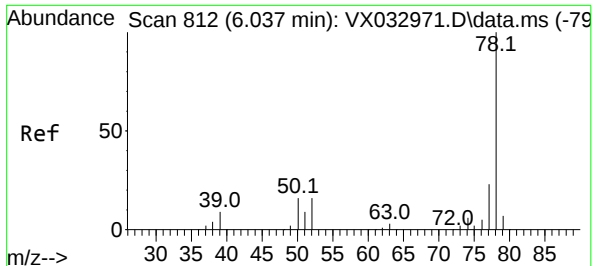
Lab File: VX033156.D

Acq: 01 Dec 2022 12:28

Tgt Ion: 83 Resp: 371149

Ion	Ratio	Lower	Upper
83	100		
55	80.8	58.4	87.6
98	46.9	37.2	55.8





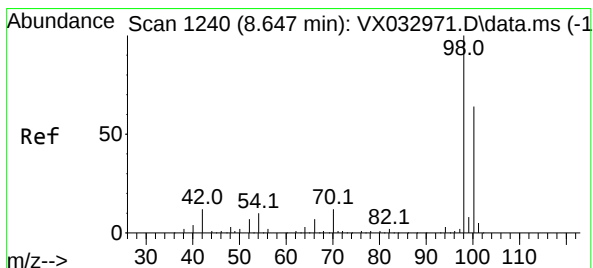
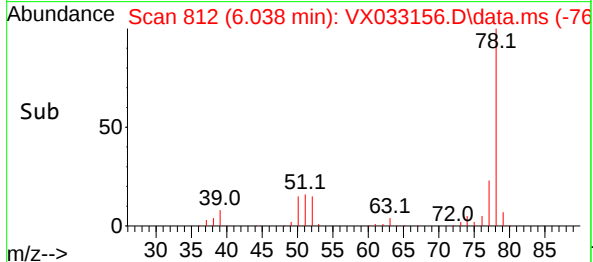
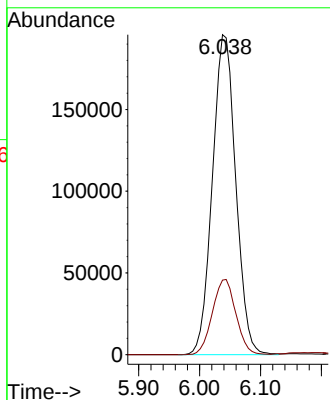
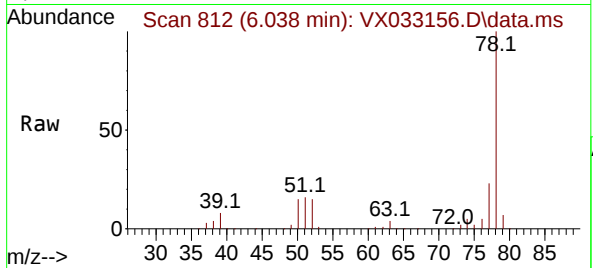
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Benzene
Concen: 83.322 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Instrument :
MSVOA_X
ClientSampleId :
MW-15

Tgt Ion: 78 Resp: 52168
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4

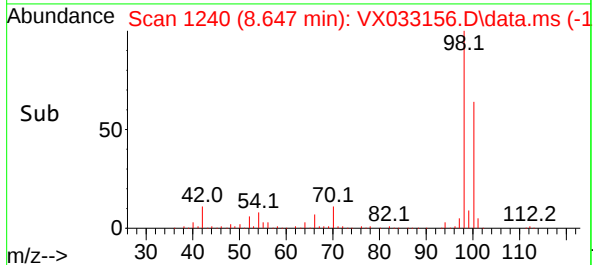
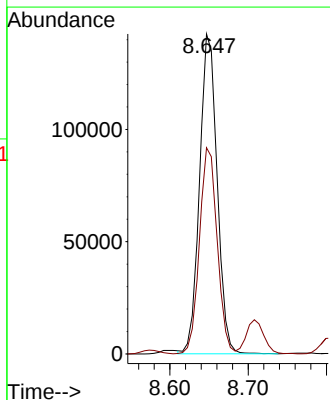
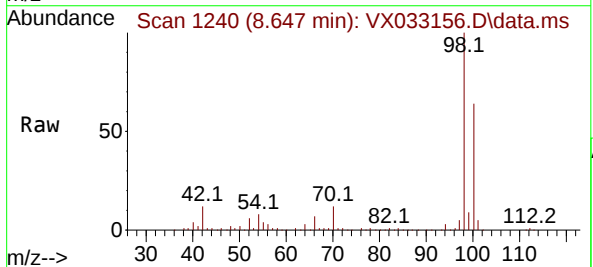
Manual Integrations
APPROVED

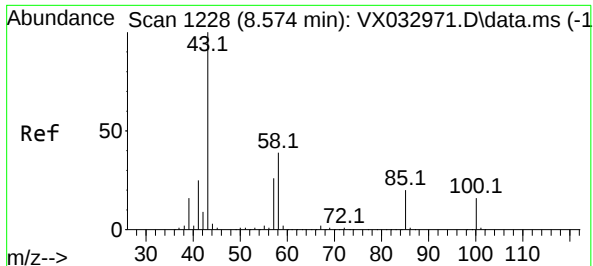
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#50
Toluene-d8
Concen: 52.830 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

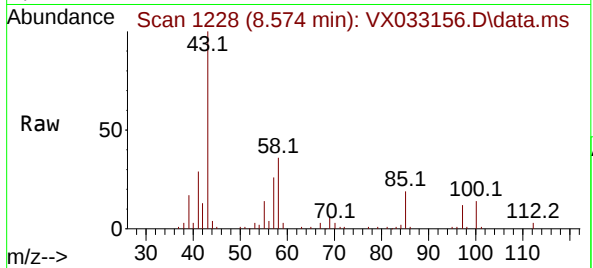
Tgt Ion: 98 Resp: 221483
Ion Ratio Lower Upper
98 100
100 65.1 50.9 76.3





#51
4-Methyl-2-Pentanone
Concen: 9.417 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

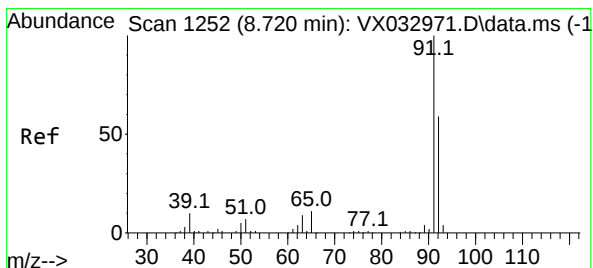
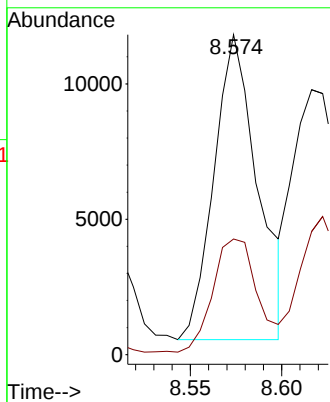
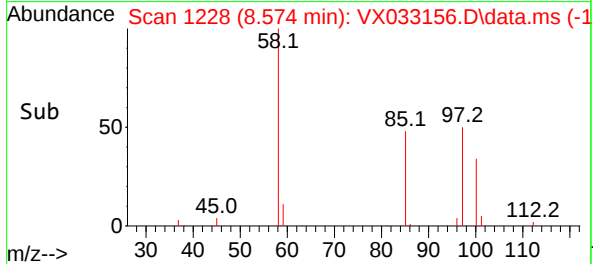
Instrument :
MSVOA_X
ClientSampleId :
MW-15



Tgt Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
58 37.9 30.9 46.3

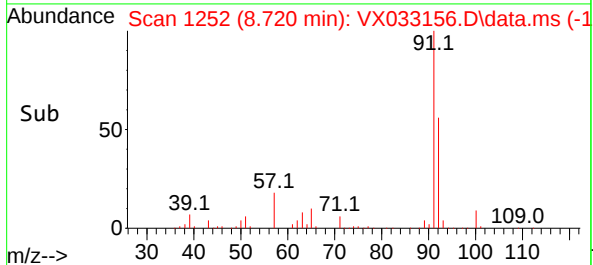
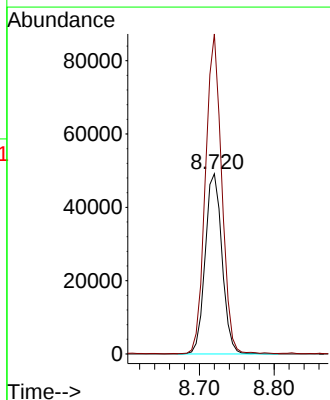
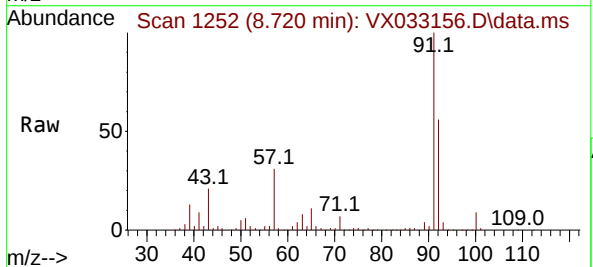
Manual Integrations
APPROVED

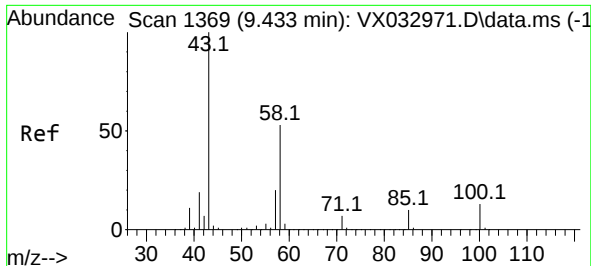
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#52
Toluene
Concen: 18.622 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Tgt Ion: 92 Resp: 76709
Ion Ratio Lower Upper
92 100
91 172.1 138.3 207.5





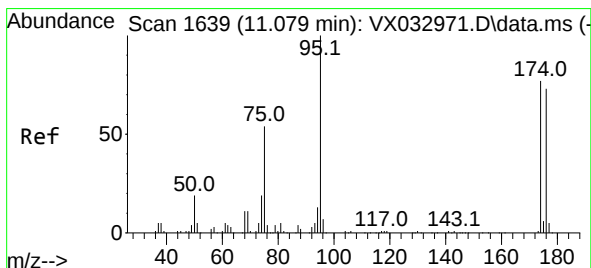
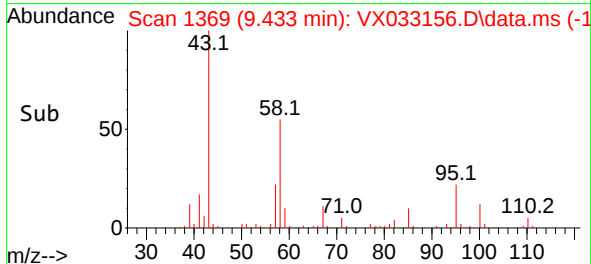
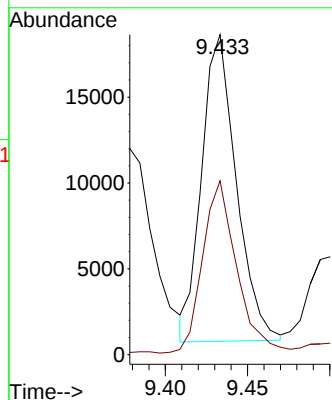
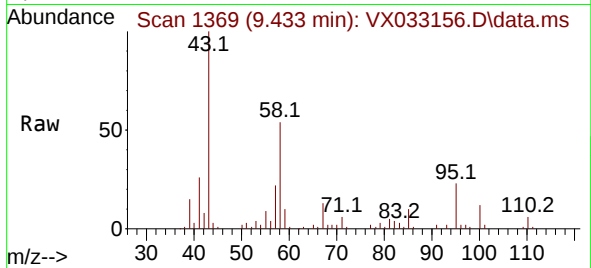
#59
2-Hexanone
Concen: 17.781 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Instrument :
MSVOA_X
ClientSampleId :
MW-15

Tgt Ion: 43 Resp: 26115
Ion Ratio Lower Upper
43 100
58 55.6 26.5 79.5

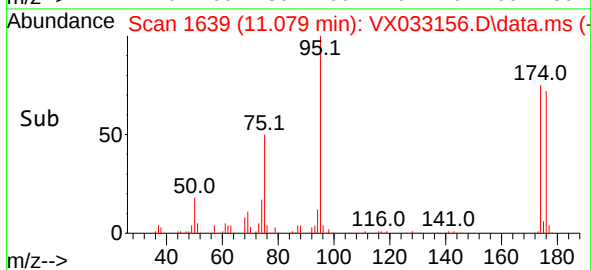
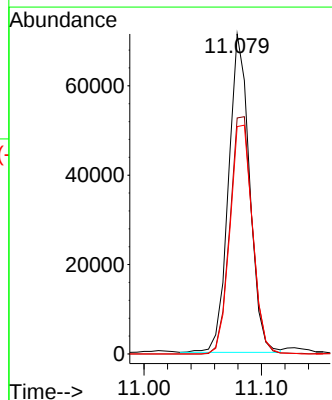
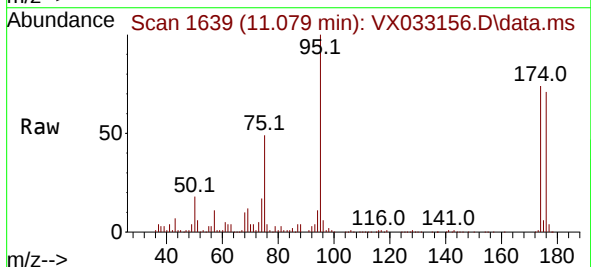
Manual Integrations
APPROVED

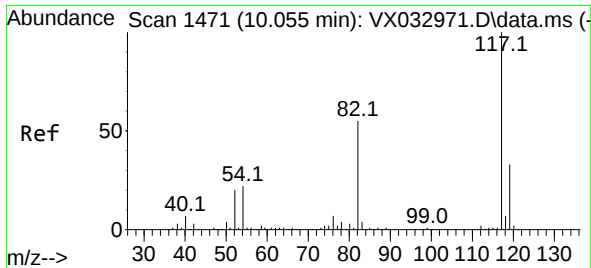
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#62
4-Bromofluorobenzene
Concen: 48.259 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Tgt Ion: 95 Resp: 88534
Ion Ratio Lower Upper
95 100
174 79.8 0.0 164.0
176 77.5 0.0 154.4





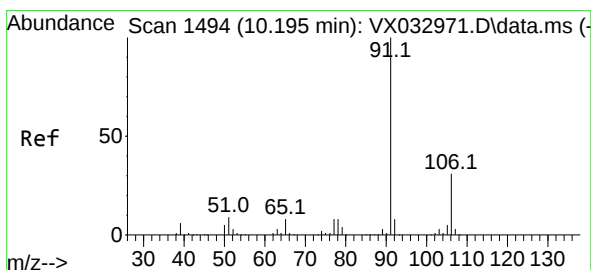
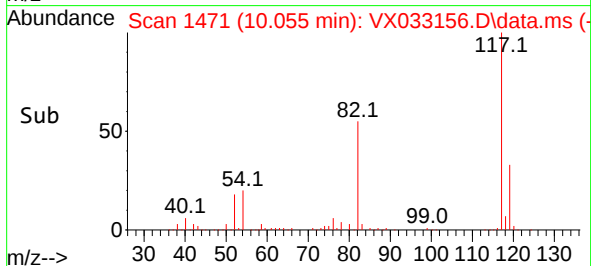
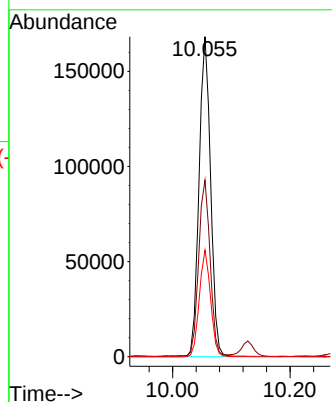
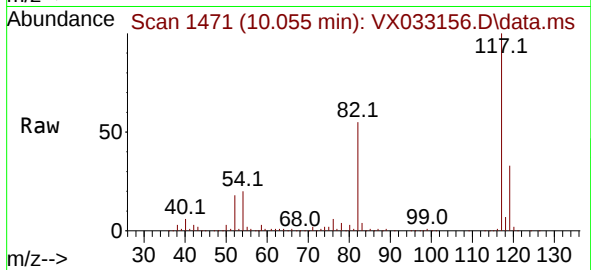
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Instrument :
MSVOA_X
ClientSampleId :
MW-15

Tgt Ion:117 Resp: 228799
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 33.3 25.7 38.5

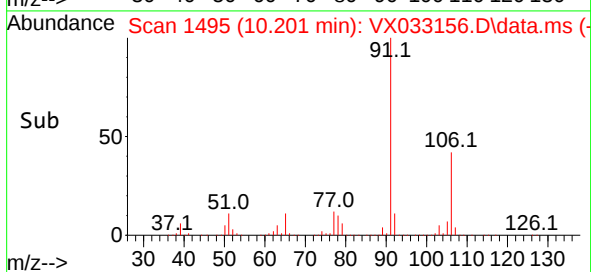
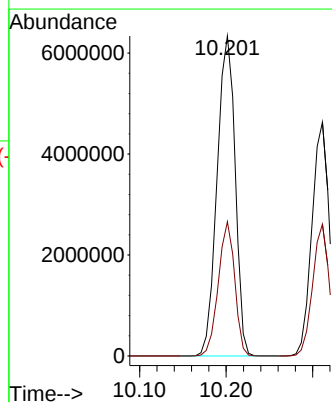
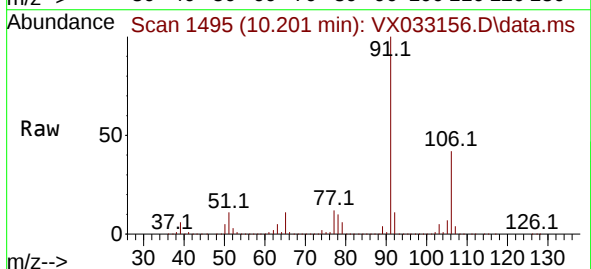
Manual Integrations
APPROVED

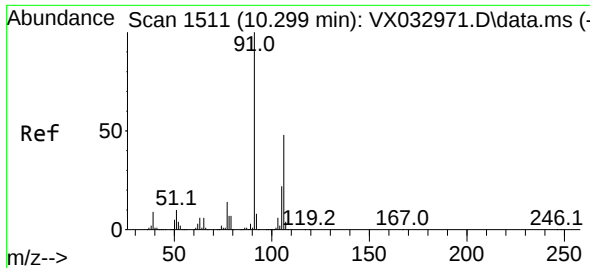
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#67
Ethyl Benzene
Concen: 1135.669 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

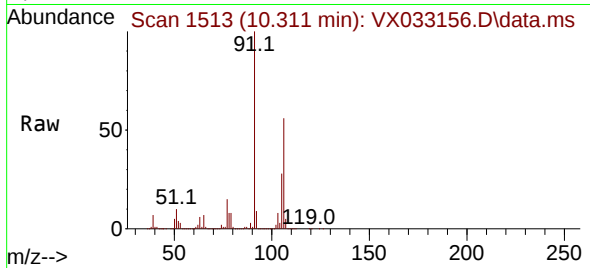
Tgt Ion: 91 Resp: 9189613
Ion Ratio Lower Upper
91 100
106 42.0 25.0 37.6#





#68
m/p-Xylenes
Concen: 1078.537 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

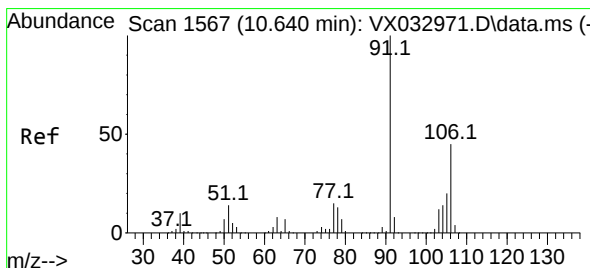
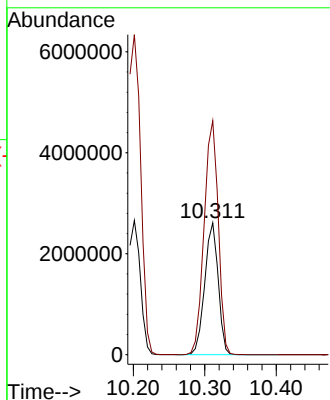
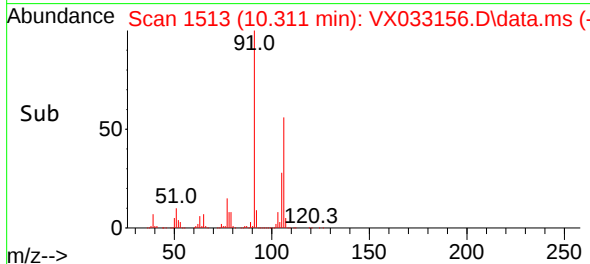
Instrument :
MSVOA_X
ClientSampleId :
MW-15



Tgt Ion:106 Resp: 3417510
Ion Ratio Lower Upper
106 100
91 186.2 164.5 246.7

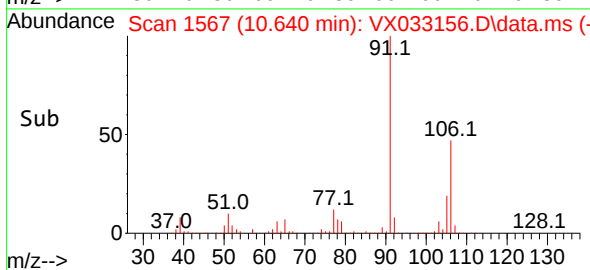
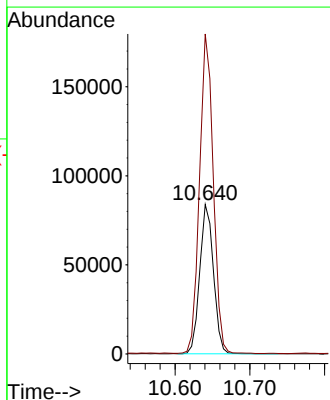
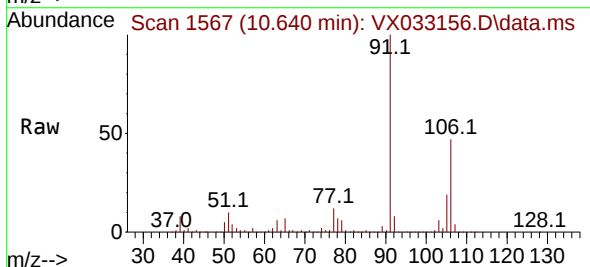
Manual Integrations
APPROVED

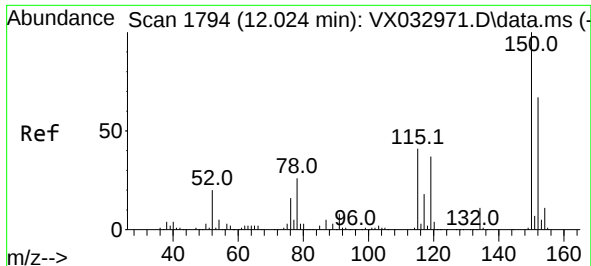
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#69
o-Xylene
Concen: 34.896 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

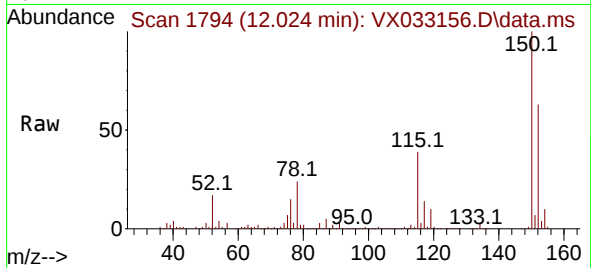
Tgt Ion:106 Resp: 106989
Ion Ratio Lower Upper
106 100
91 213.5 109.2 327.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 113480
Delta R.T. 0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

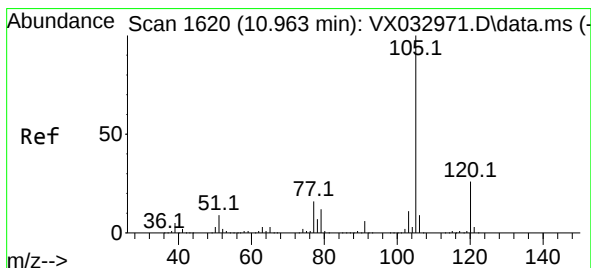
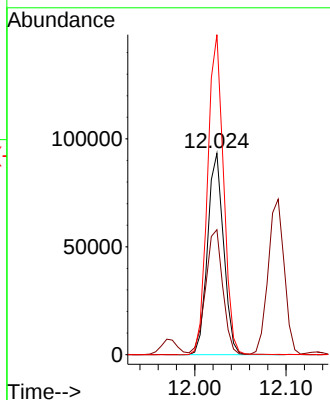
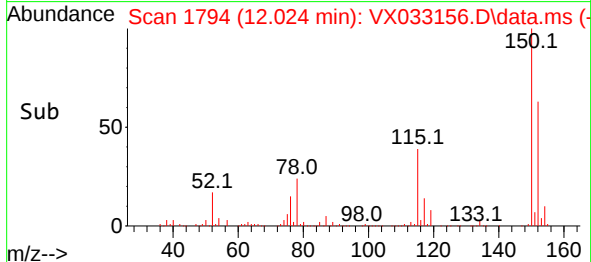
Instrument :
MSVOA_X
ClientSampleId :
MW-15



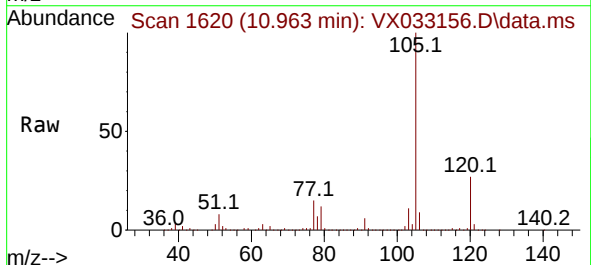
Tgt Ion:152 Resp: 113480
Ion Ratio Lower Upper
152 100
115 65.8 44.0 132.0
150 158.6 0.0 351.8

Manual Integrations
APPROVED

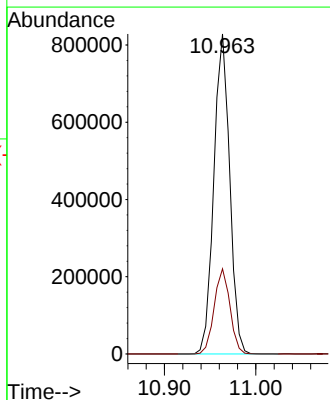
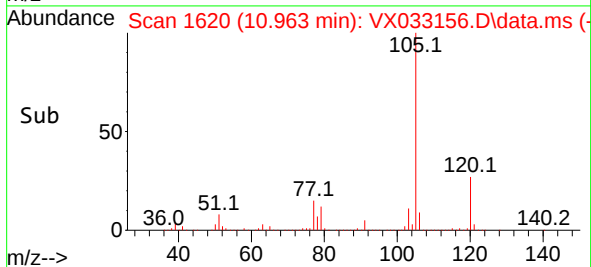
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022

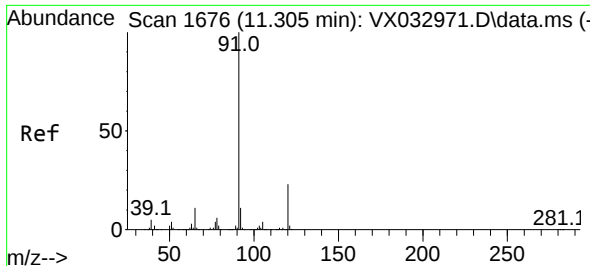


#73
Isopropylbenzene
Concen: 122.909 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28



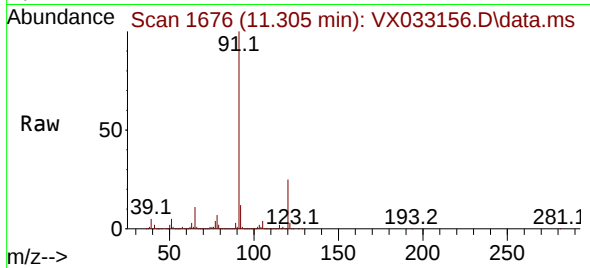
Tgt Ion:105 Resp: 996691
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.3





#78
n-propylbenzene
Concen: 391.449 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

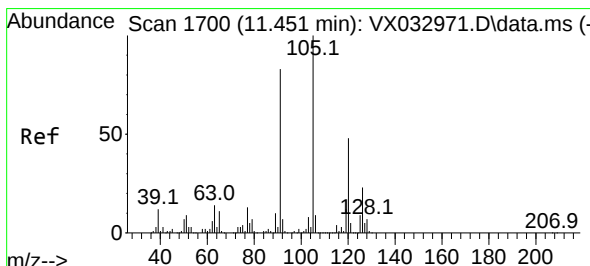
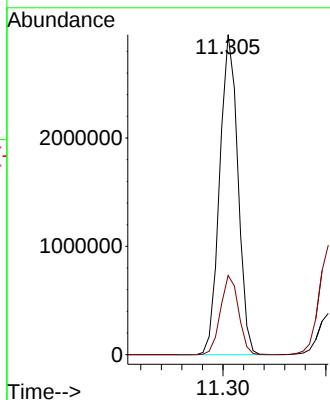
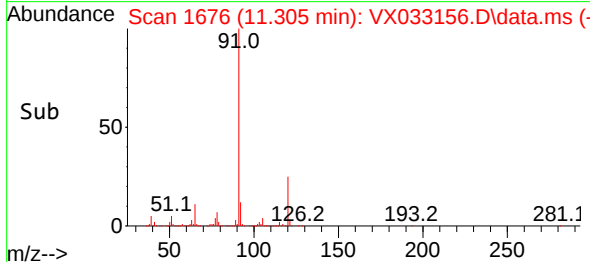
Instrument :
MSVOA_X
ClientSampleId :
MW-15



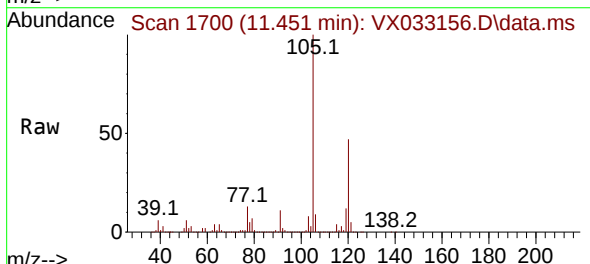
Tgt Ion: 91 Resp: 362934
Ion Ratio Lower Upper
91 100
120 24.4 11.6 34.8

Manual Integrations
APPROVED

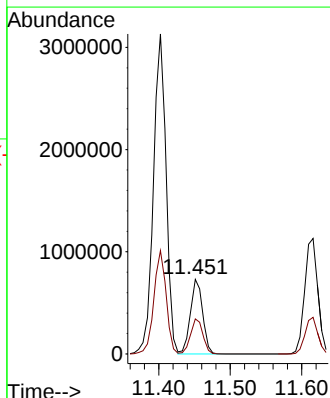
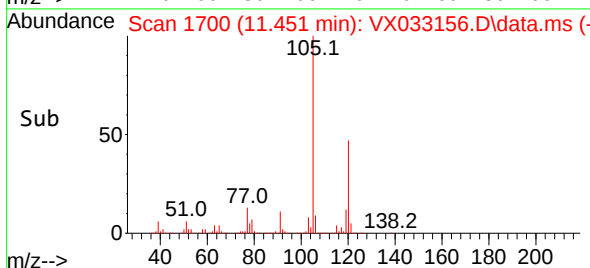
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022

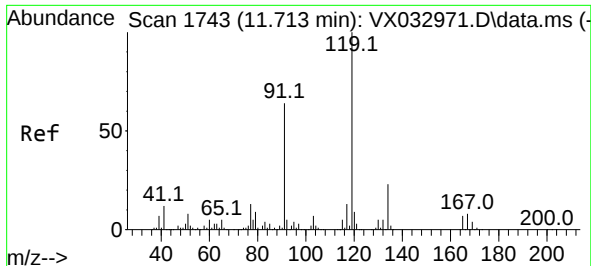


#80
1,3,5-Trimethylbenzene
Concen: 127.519 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28



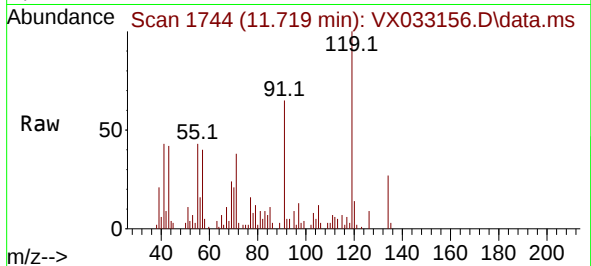
Tgt Ion:105 Resp: 868695
Ion Ratio Lower Upper
105 100
120 47.4 23.6 71.0





#83
tert-Butylbenzene
Concen: 0.863 ug/l m
RT: 11.719 min Scan# 1744
Delta R.T. 0.006 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

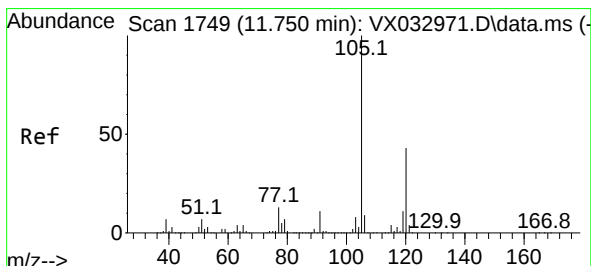
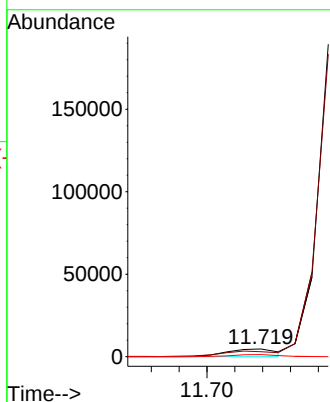
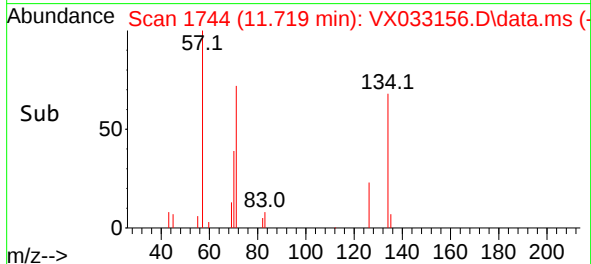
Instrument :
MSVOA_X
ClientSampleId :
MW-15



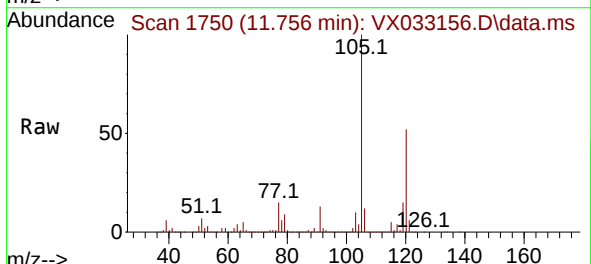
Tgt Ion:119 Resp: 5854
Ion Ratio Lower Upper
119 100
91 13723.1 29.4 88
134 0.0 11.0 33.0

Manual Integrations
APPROVED

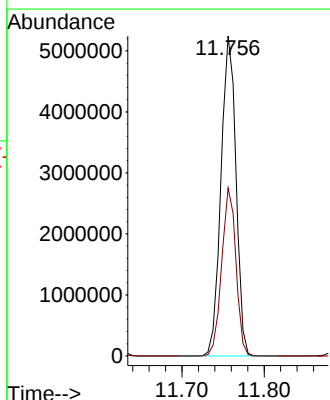
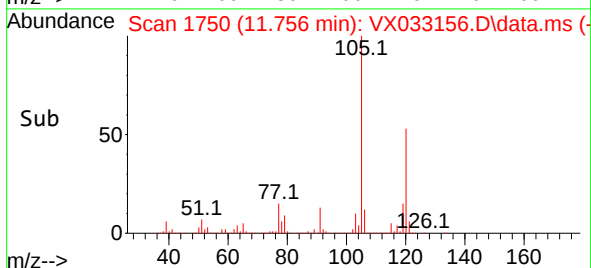
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022

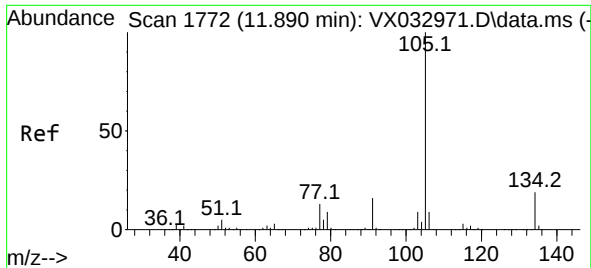


#84
1,2,4-Trimethylbenzene
Concen: 978.226 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28



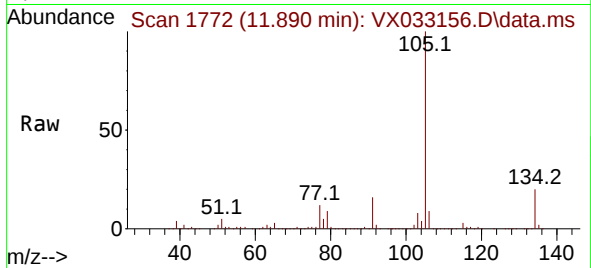
Tgt Ion:105 Resp: 6644724
Ion Ratio Lower Upper
105 100
120 49.8 21.9 65.5





#85
 sec-Butylbenzene
 Concen: 28.901 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033156.D
 Acq: 01 Dec 2022 12:28

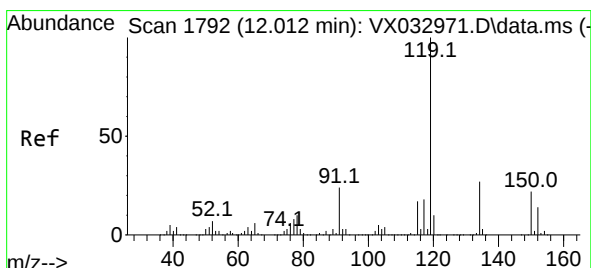
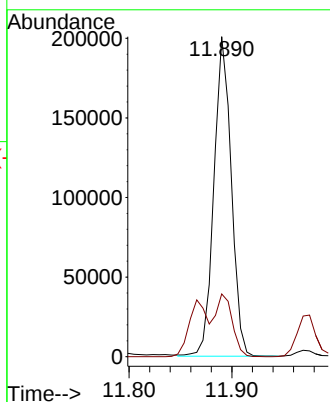
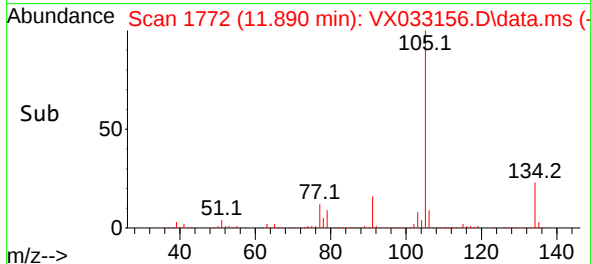
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15



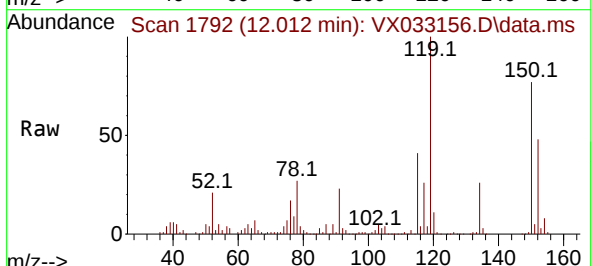
Tgt Ion:105 Resp: 234462
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.9 29.7

Manual Integrations
 APPROVED

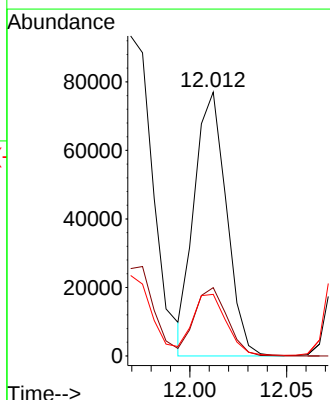
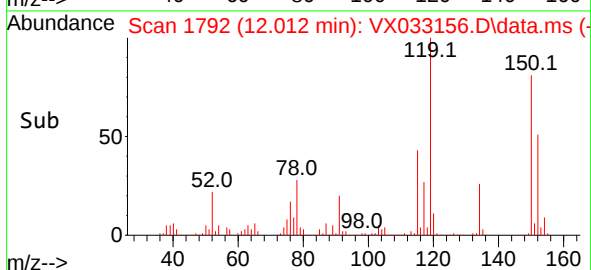
Reviewed By :John Carlone 12/02/2022
 Supervised By :Mahesh Dadoda 12/02/2022

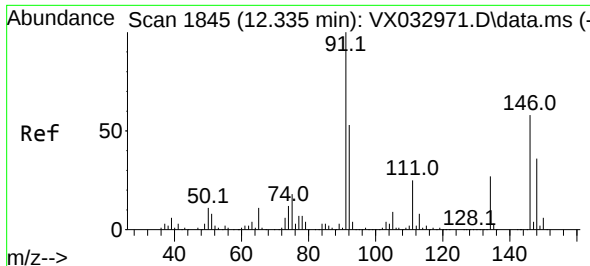


#86
 p-Isopropyltoluene
 Concen: 12.943 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX033156.D
 Acq: 01 Dec 2022 12:28



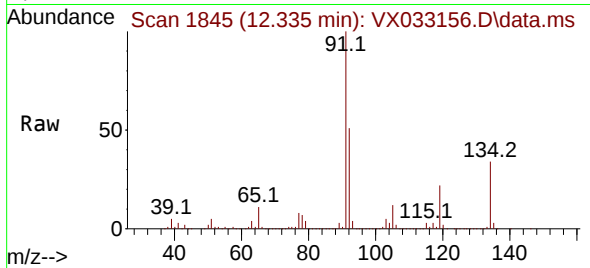
Tgt Ion:119 Resp: 88963
 Ion Ratio Lower Upper
 119 100
 134 37.5 12.9 38.7
 91 32.2 12.5 37.5





#89
n-Butylbenzene
Concen: 86.431 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

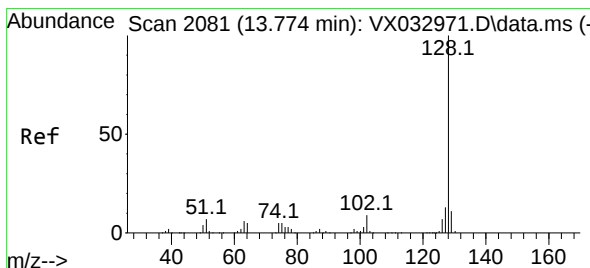
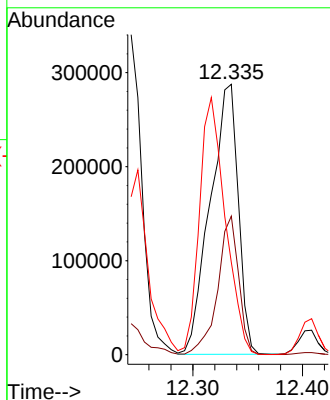
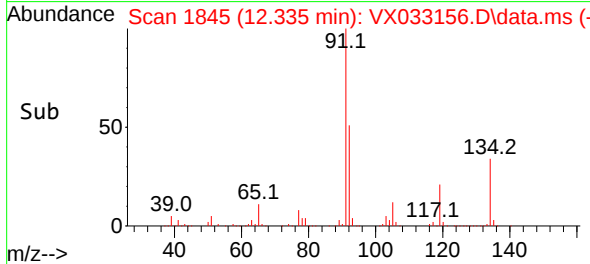
Instrument :
MSVOA_X
ClientSampleId :
MW-15



Tgt Ion: 91 Resp: 51178
Ion Ratio Lower Upper
91 100
92 38.4 26.2 78.6
134 87.8 12.9 38.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#95
Naphthalene
Concen: 303.669 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX033156.D
Acq: 01 Dec 2022 12:28

Tgt Ion:128 Resp: 2203541
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.4 8.9 13.3

