

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033139.D
 Acq On : 30 Nov 2022 18:01
 Operator : JC/MD
 Sample : N5815-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-03

Quant Time: Dec 01 00:23:22 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 12/01/2022
 Supervised By : Mahesh Dadoda 12/01/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	137376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229534	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72409	54.205	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.400%			
35) Dibromofluoromethane	5.385	113	58235	45.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.000%			
50) Toluene-d8	8.653	98	210476	54.242	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.480%			
62) 4-Bromofluorobenzene	11.079	95	88431	52.023	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.040%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	26243	23.162	ug/l	99
6) Chloroethane	1.691	64	10798	10.514	ug/l	100
11) Tert butyl alcohol	2.989	59	8069	38.048	ug/l #	72
16) Acetone	2.392	43	221874	355.115	ug/l	97
17) Carbon Disulfide	2.514	76	50633	15.287	ug/l	99
25) 2-Butanone	4.562	43	206638	239.847	ug/l	98
31) Cyclohexane	5.477	56	396643	182.978	ug/l	94
39) Methylcyclohexane	7.385	83	326798	138.426	ug/l	96
40) Benzene	6.043	78	521530	89.899	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	18517	10.052	ug/l	97
52) Toluene	8.720	92	79382	20.799	ug/l	99
59) 2-Hexanone	9.433	43	26116	19.191	ug/l	95
67) Ethyl Benzene	10.201	91	9744800	1258.550	ug/l #	80
68) m/p-Xylenes	10.311	106	3735766	1232.103	ug/l	86
69) o-Xylene	10.640	106	118295	40.323	ug/l	97
73) Isopropylbenzene	10.963	105	1015551	124.612	ug/l	99
78) n-propylbenzene	11.305	91	3661213	392.923	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	917115	133.958	ug/l	99
83) tert-Butylbenzene	11.713	119	5232m	0.768	ug/l	
84) 1,2,4-Trimethylbenzene	11.756	105	7081828	1037.392	ug/l	90
85) sec-Butylbenzene	11.890	105	206411m	25.317	ug/l	
86) p-Isopropyltoluene	12.012	119	80790m	11.696	ug/l	
89) n-Butylbenzene	12.335	91	253377m	42.578	ug/l	
95) Naphthalene	13.780	128	2315808	317.553	ug/l	99

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

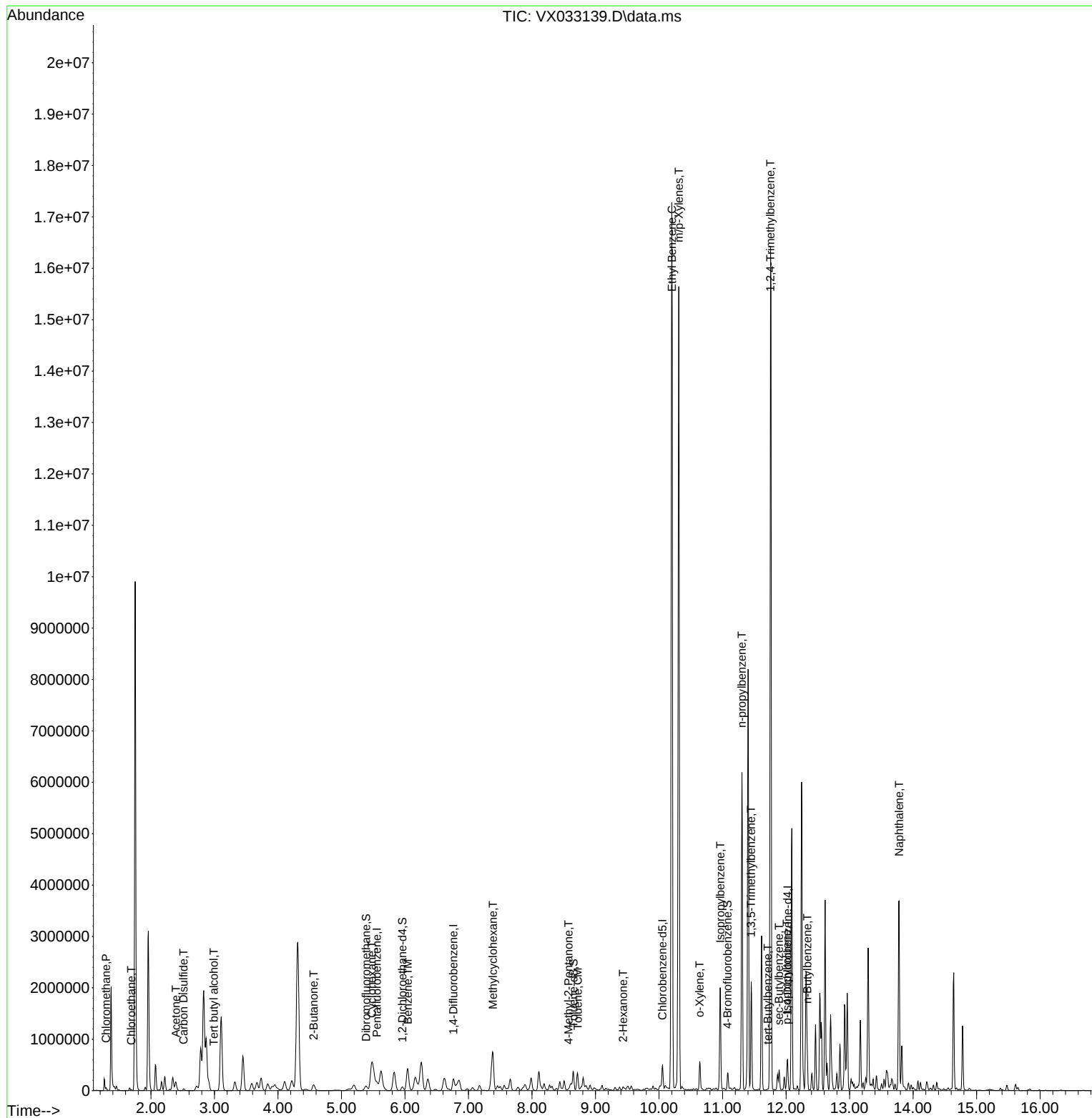
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
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Quant Time: Dec 01 00:23:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
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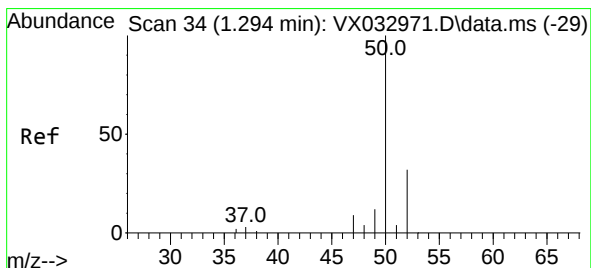
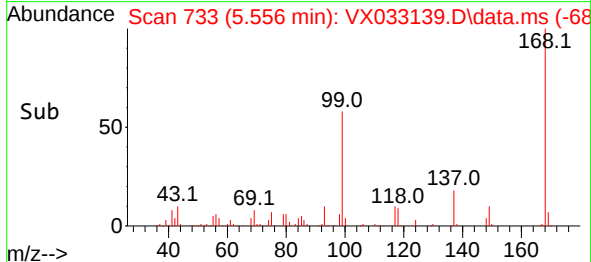
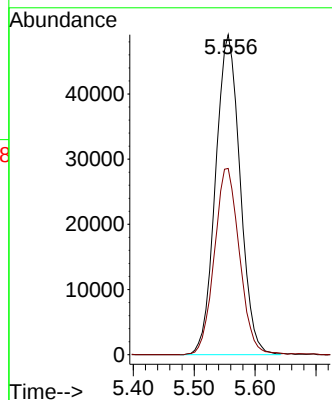
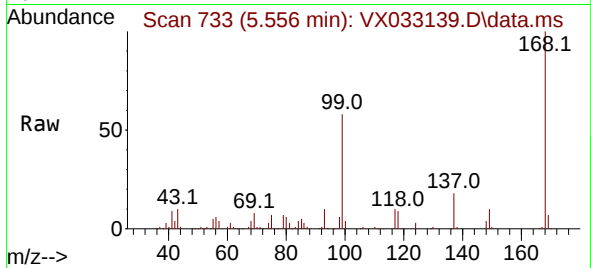
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

Instrument :
MSVOA_X
ClientSampleId :
MW-03

Tgt Ion:168 Resp: 137370
Ion Ratio Lower Upper
168 100
99 58.2 46.1 69.1

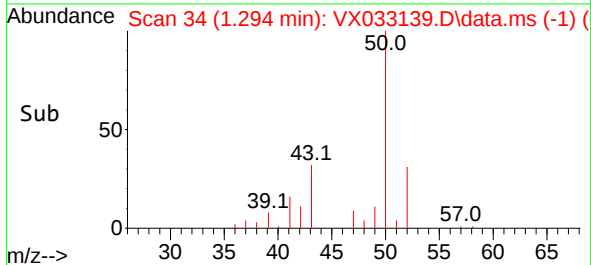
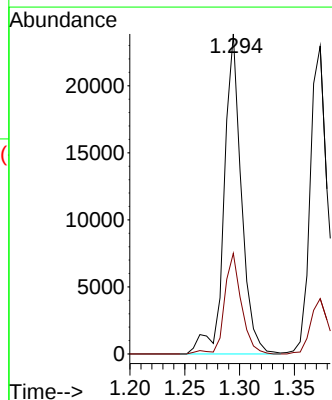
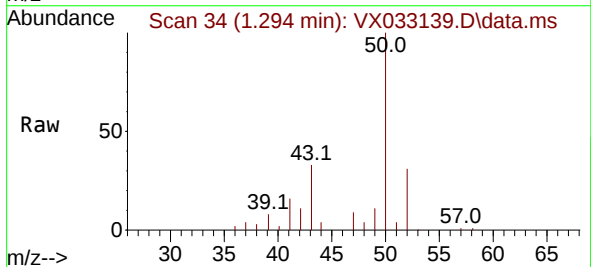
Manual Integrations
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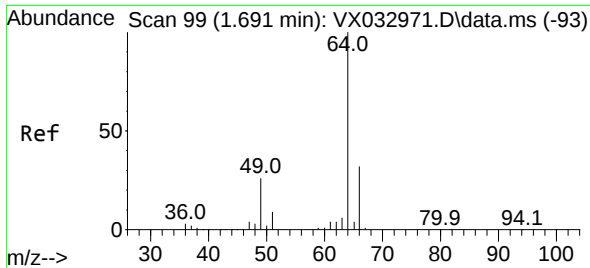
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#3
Chloromethane
Concen: 23.162 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

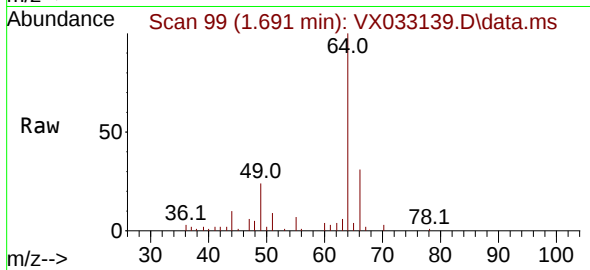
Tgt Ion: 50 Resp: 26243
Ion Ratio Lower Upper
50 100
52 31.4 25.4 38.2





#6
Chloroethane
Concen: 10.514 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

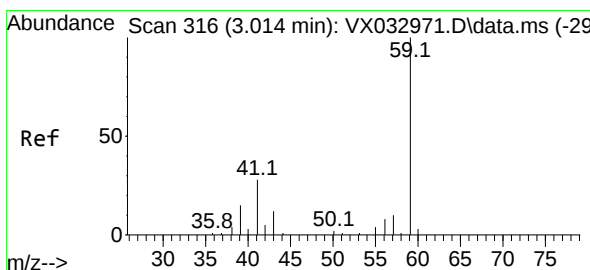
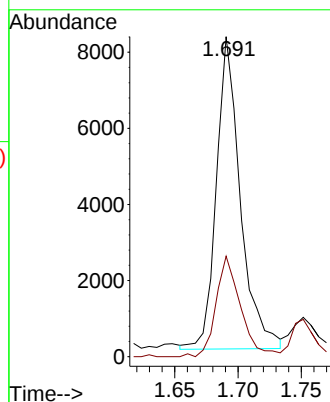
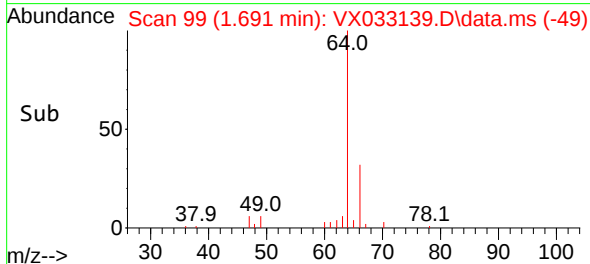
Instrument :
MSVOA_X
ClientSampleId :
MW-03



Tgt Ion: 64 Resp: 10798
Ion Ratio Lower Upper
64 100
66 32.6 26.0 39.0

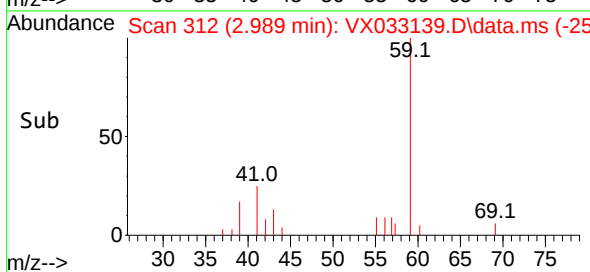
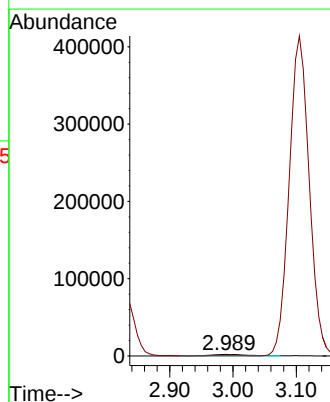
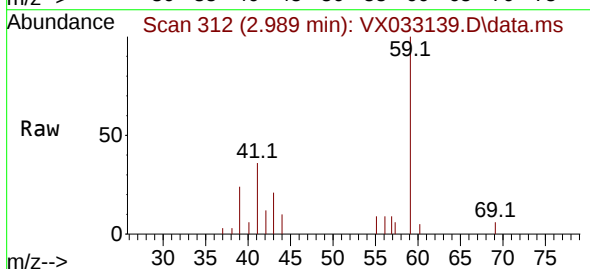
Manual Integrations
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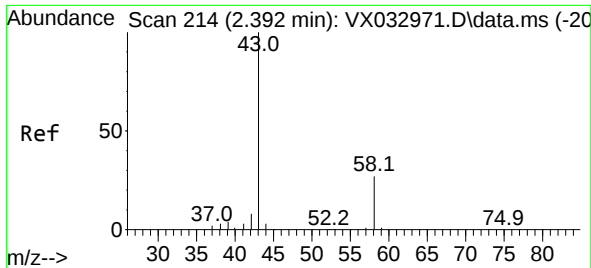
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#11
Tert butyl alcohol
Concen: 38.048 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

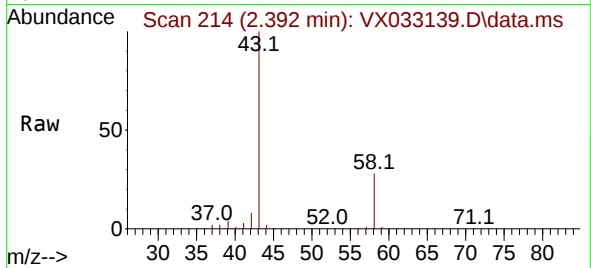
Tgt Ion: 59 Resp: 8069
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16
Acetone
Concen: 355.115 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

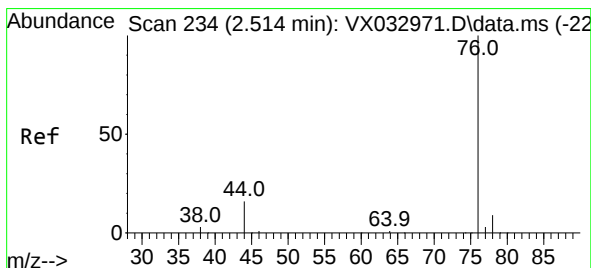
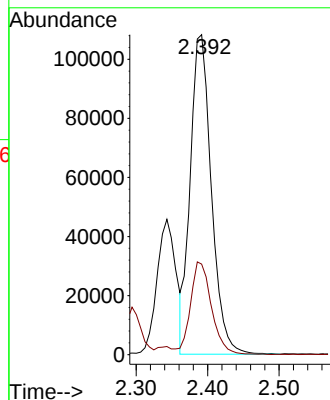
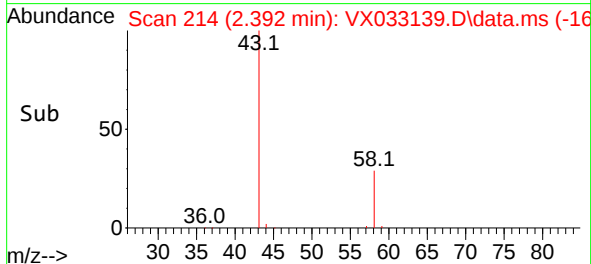
Instrument :
MSVOA_X
ClientSampleId :
MW-03



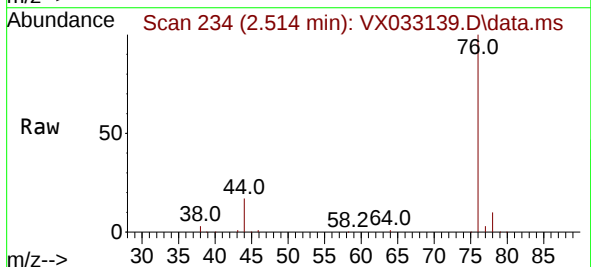
Tgt Ion: 43 Resp: 221874
Ion Ratio Lower Upper
43 100
58 28.2 23.8 35.8

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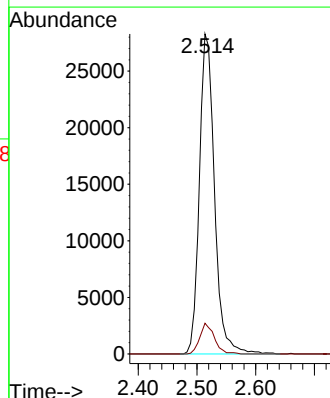
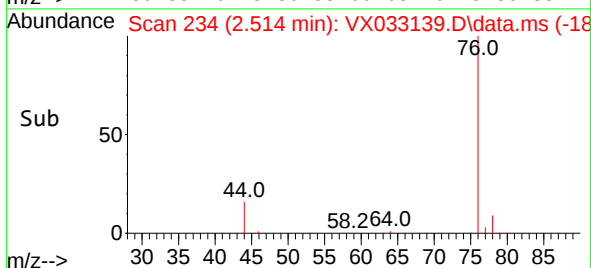
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022

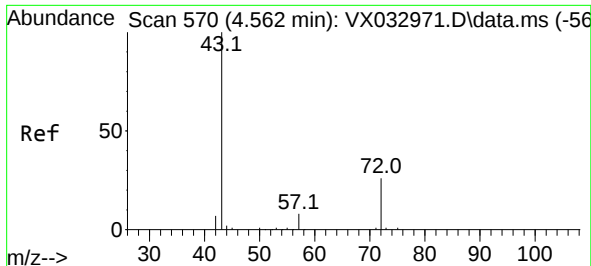


#17
Carbon Disulfide
Concen: 15.287 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01



Tgt Ion: 76 Resp: 50633
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3





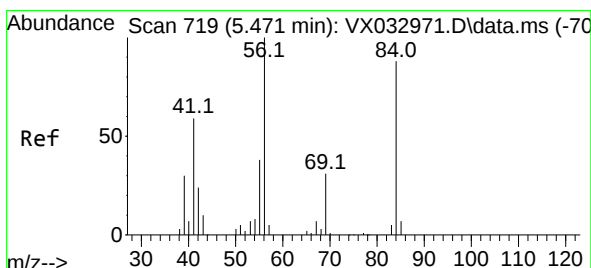
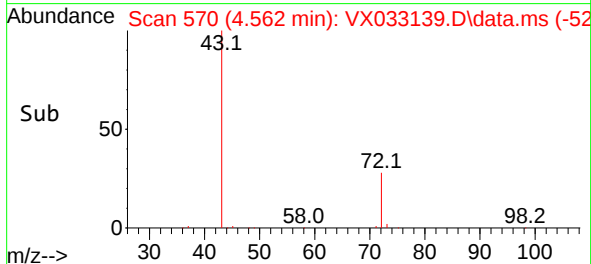
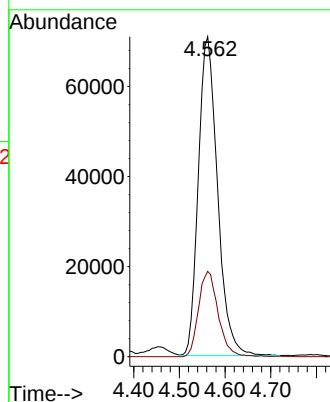
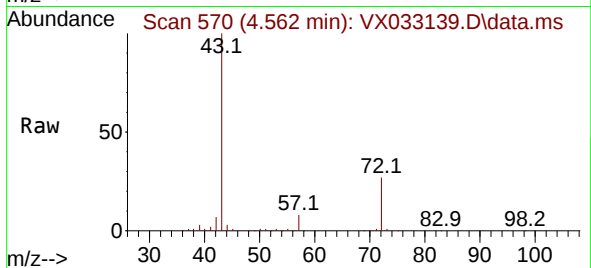
#25
2-Butanone
Concen: 239.847 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

Instrument :
MSVOA_X
ClientSampleId :
MW-03

Tgt Ion: 43 Resp: 206638
Ion Ratio Lower Upper
43 100
72 26.7 22.2 33.2

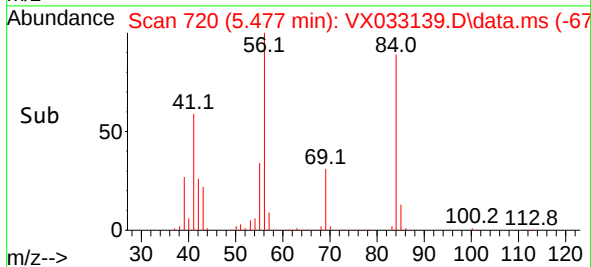
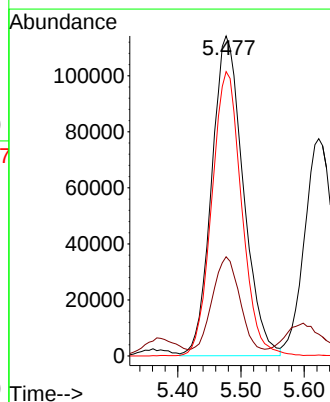
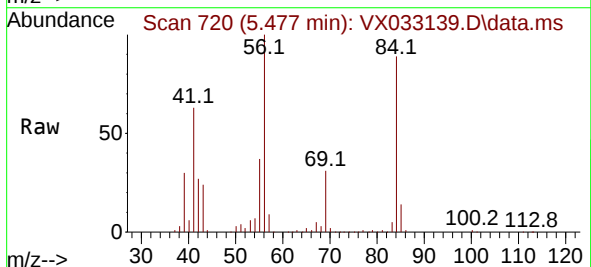
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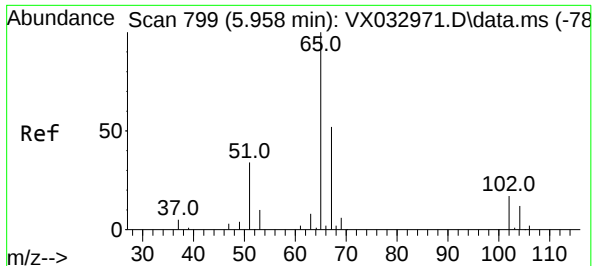
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#31
Cyclohexane
Concen: 182.978 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.007 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

Tgt Ion: 56 Resp: 396643
Ion Ratio Lower Upper
56 100
69 28.1 24.1 36.1
84 89.3 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 54.205 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033139.D

Acq: 30 Nov 2022 18:01

Instrument :

MSVOA_X

ClientSampleId :

MW-03

Tgt Ion: 65 Resp: 72409

Ion Ratio Lower Upper

65 100

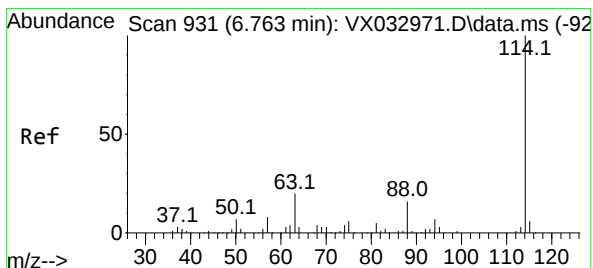
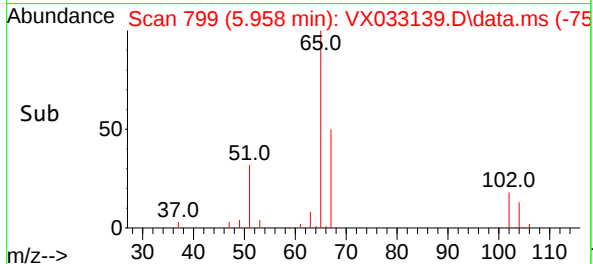
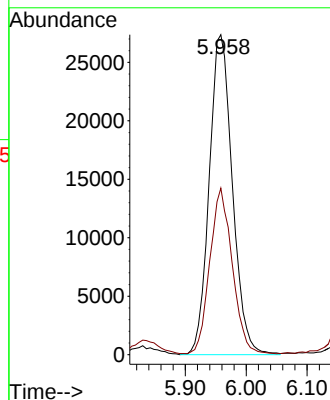
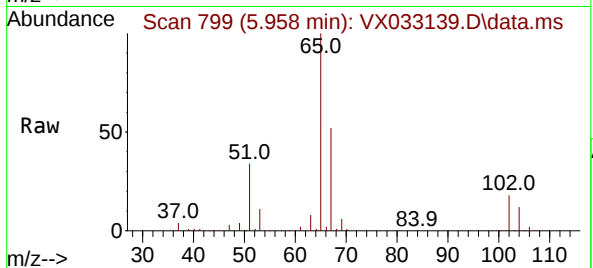
67 50.1 0.0 101.8

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: VX033139.D

Acq: 30 Nov 2022 18:01

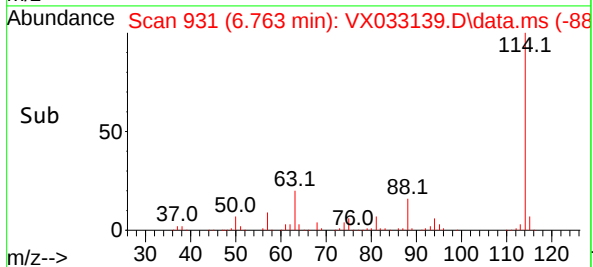
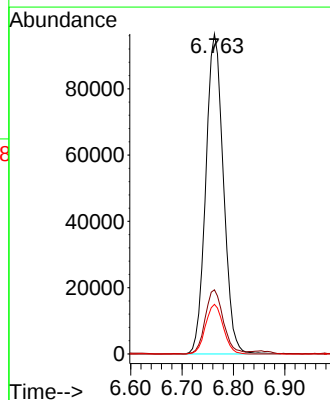
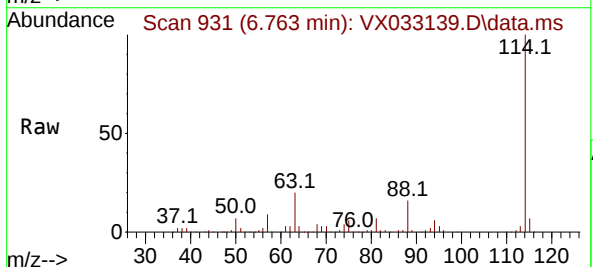
Tgt Ion:114 Resp: 229534

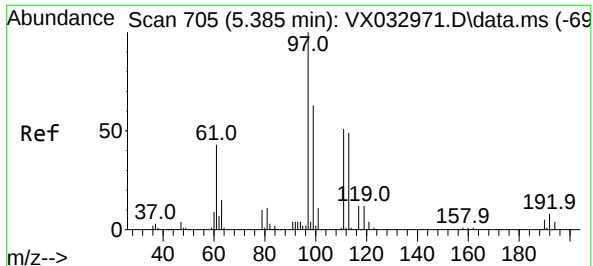
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.003 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033139.D

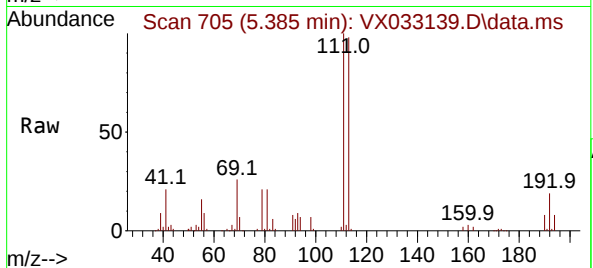
Acq: 30 Nov 2022 18:01

Instrument :

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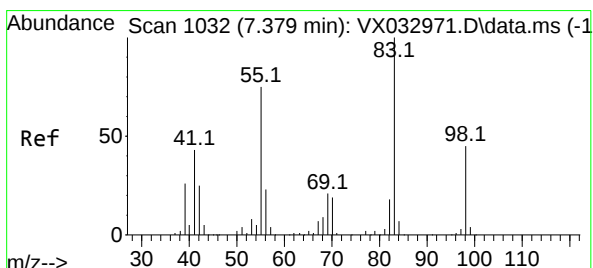
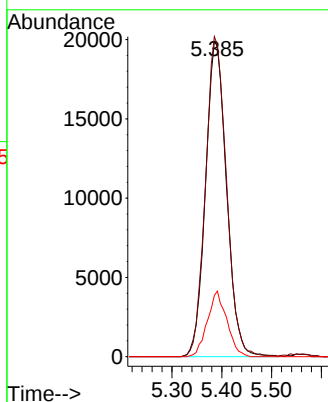
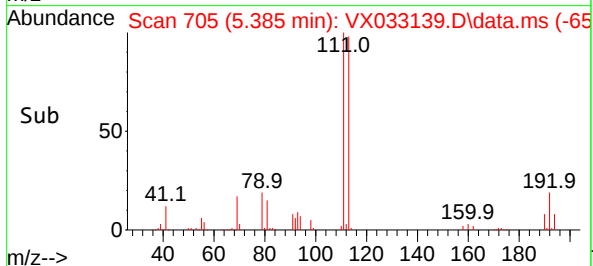
Tgt Ion:	113	Resp:	5823
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.4	123.6
192	19.2	15.4	23.2

Manual Integrations

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Supervised By :Mahesh Dadoda 12/01/2022



#39

Methylcyclohexane

Concen: 138.426 ug/l

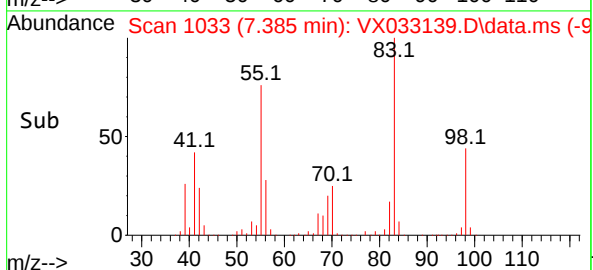
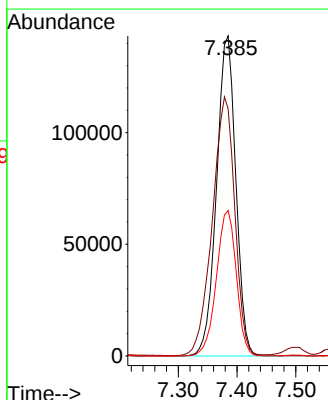
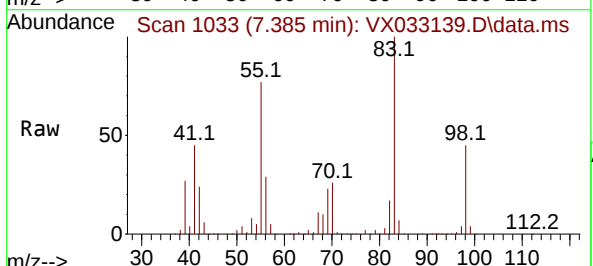
RT: 7.385 min Scan# 1033

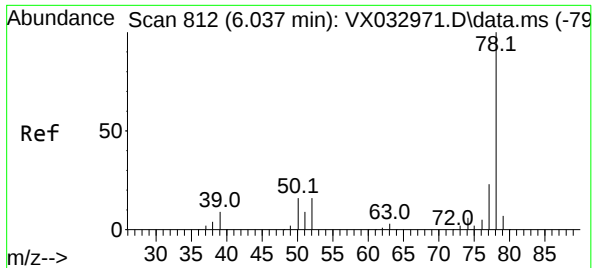
Delta R.T. -0.000 min

Lab File: VX033139.D

Acq: 30 Nov 2022 18:01

Tgt Ion:	83	Resp:	326798
Ion Ratio	Lower	Upper	
83	100		
55	77.2	58.4	87.6
98	45.4	37.2	55.8





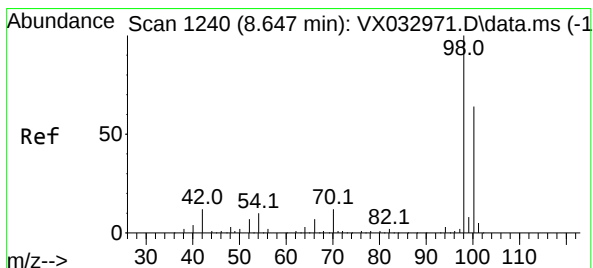
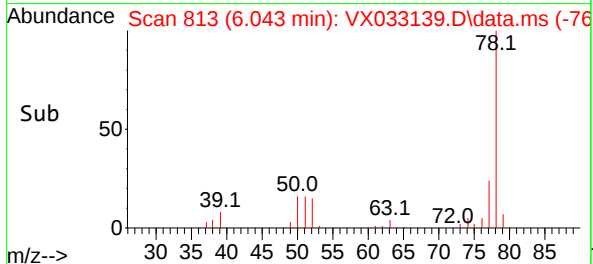
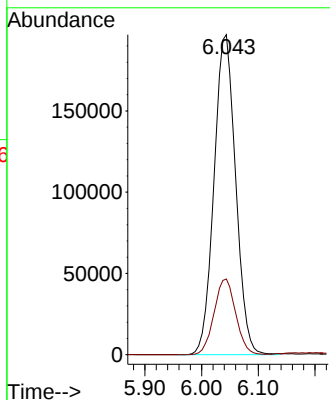
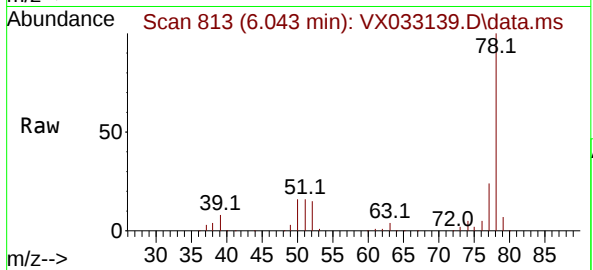
#40
Benzene
Concen: 89.899 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX033139.D
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Instrument :
MSVOA_X
ClientSampleId :
MW-03

Tgt Ion: 78 Resp: 521530
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

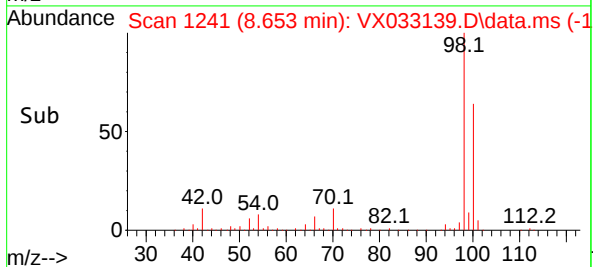
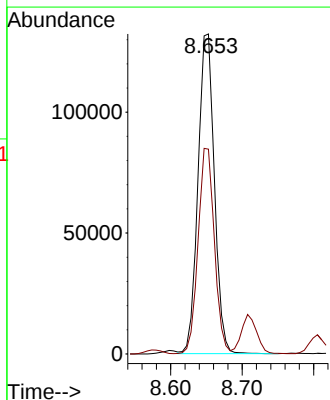
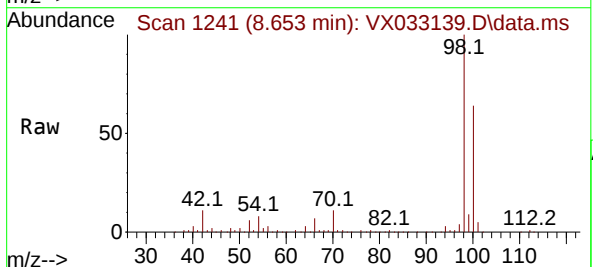
Manual Integrations
APPROVED

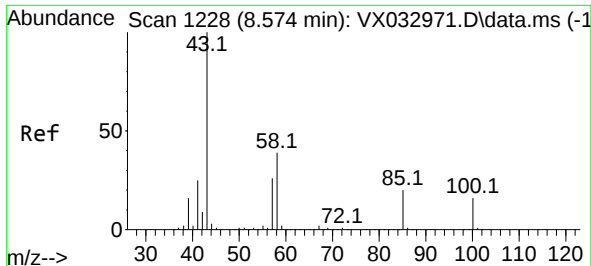
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#50
Toluene-d8
Concen: 54.242 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

Tgt Ion: 98 Resp: 210476
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3





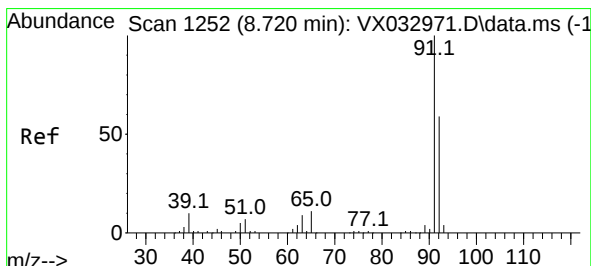
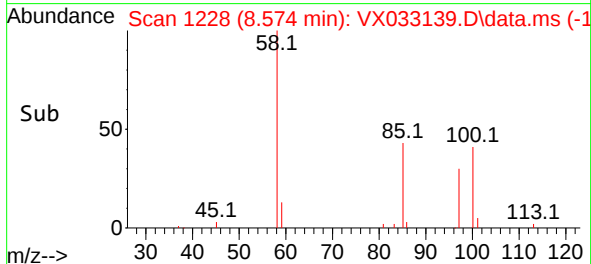
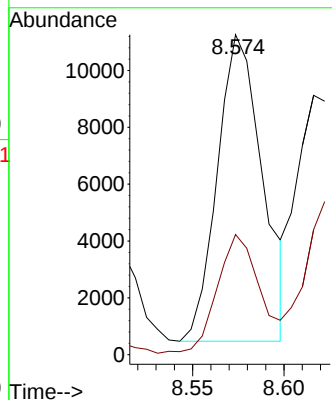
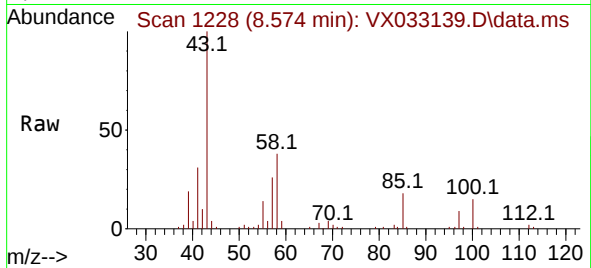
#51
4-Methyl-2-Pentanone
Concen: 10.052 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

Instrument :
MSVOA_X
ClientSampleId :
MW-03

Tgt Ion: 43 Resp: 1851
Ion Ratio Lower Upper
43 100
58 37.1 30.9 46.3

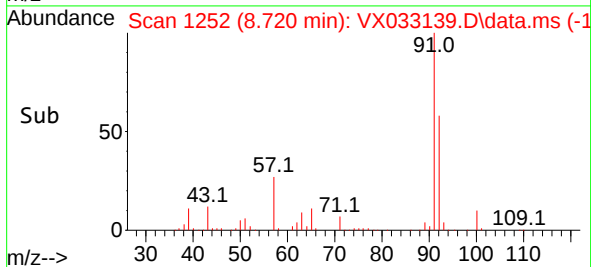
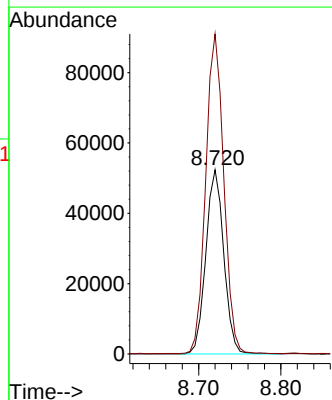
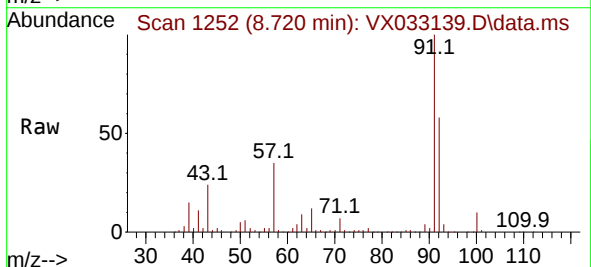
Manual Integrations
APPROVED

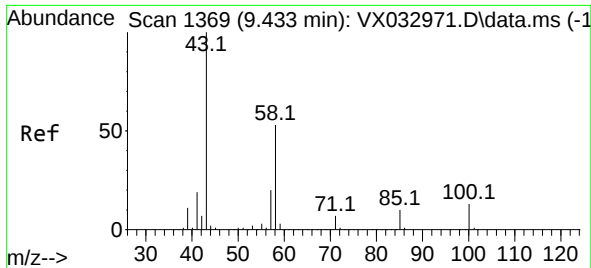
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#52
Toluene
Concen: 20.799 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

Tgt Ion: 92 Resp: 79382
Ion Ratio Lower Upper
92 100
91 174.7 138.3 207.5





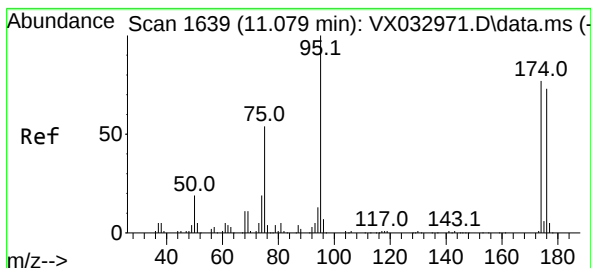
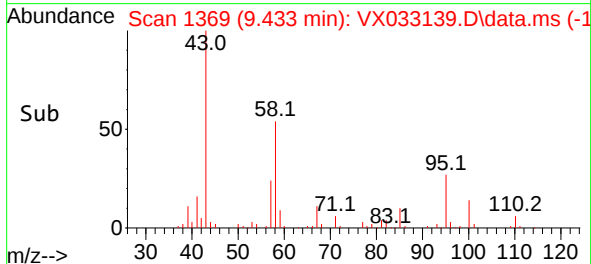
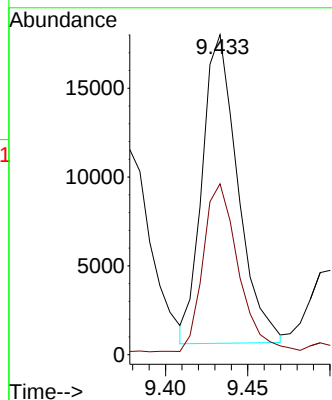
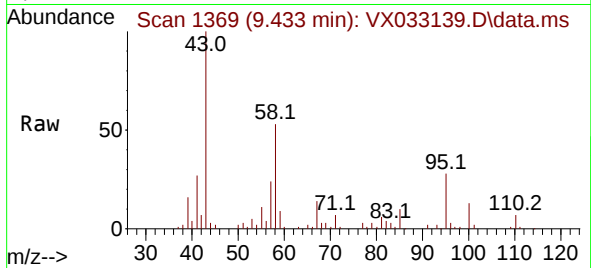
#59
2-Hexanone
Concen: 19.191 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

Instrument :
MSVOA_X
ClientSampleId :
MW-03

Tgt Ion: 43 Resp: 26110
Ion Ratio Lower Upper
43 100
58 56.2 26.5 79.5

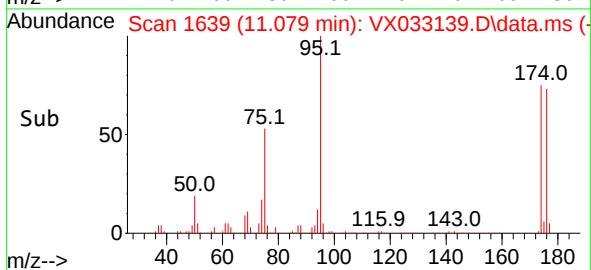
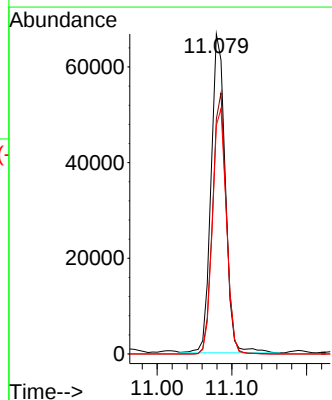
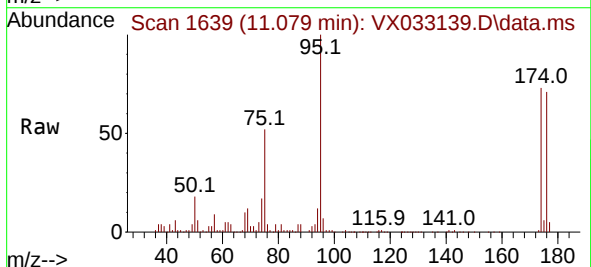
Manual Integrations
APPROVED

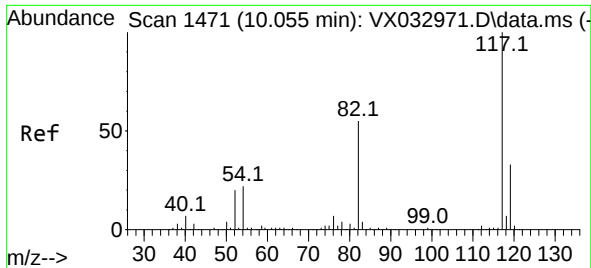
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#62
4-Bromofluorobenzene
Concen: 52.023 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

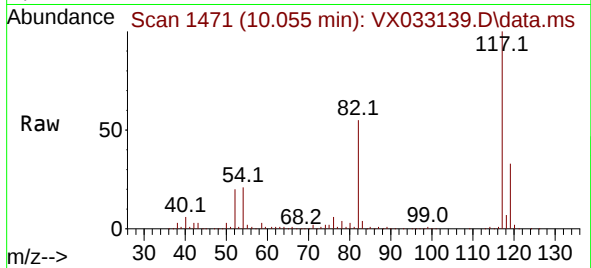
Tgt Ion: 95 Resp: 88431
Ion Ratio Lower Upper
95 100
174 78.4 0.0 164.0
176 75.2 0.0 154.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

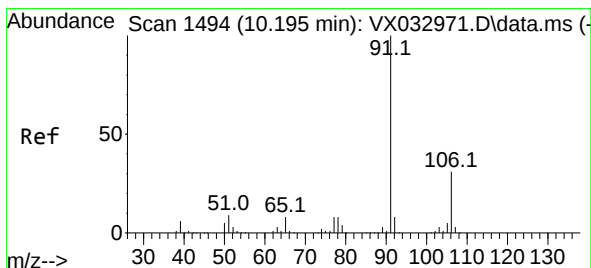
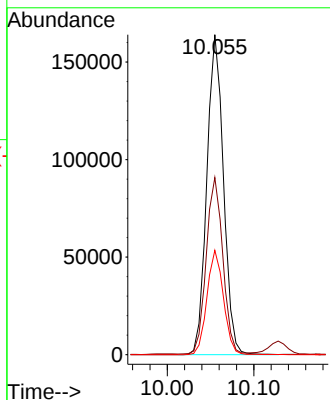
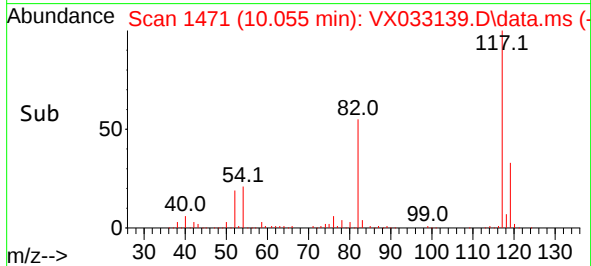
Instrument :
MSVOA_X
ClientSampleId :
MW-03



Tgt Ion:117 Resp: 21893
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 32.6 25.7 38.5

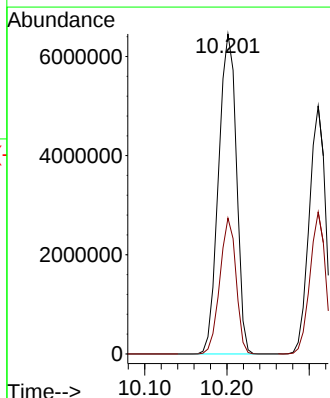
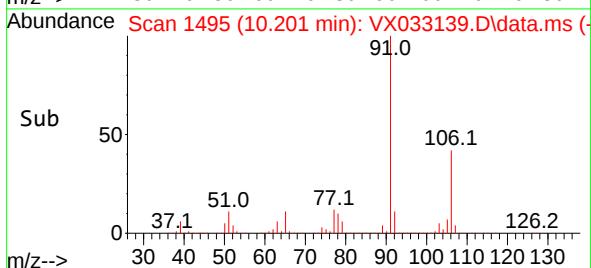
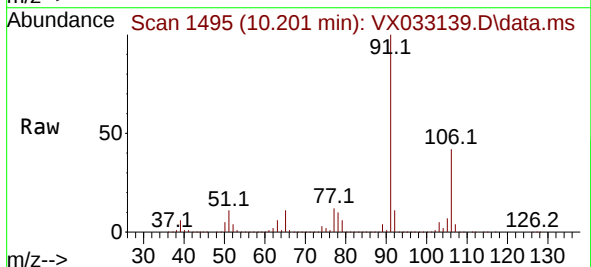
Manual Integrations
APPROVED

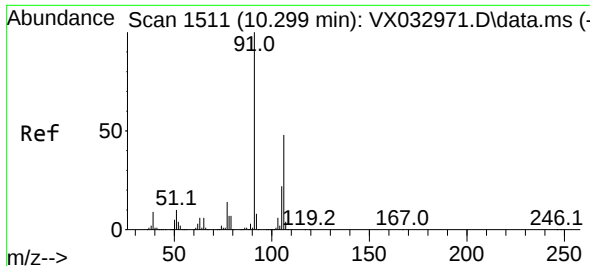
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#67
Ethyl Benzene
Concen: 1258.550 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

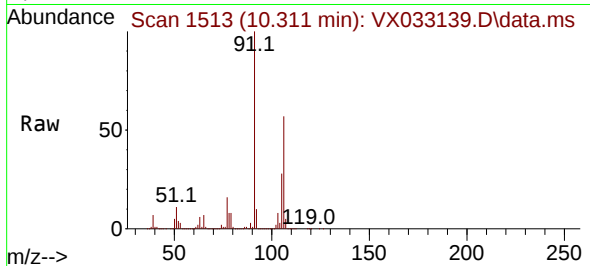
Tgt Ion: 91 Resp: 9744800
Ion Ratio Lower Upper
91 100
106 42.4 25.0 37.6#





#68
m/p-Xylenes
Concen: 1232.103 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

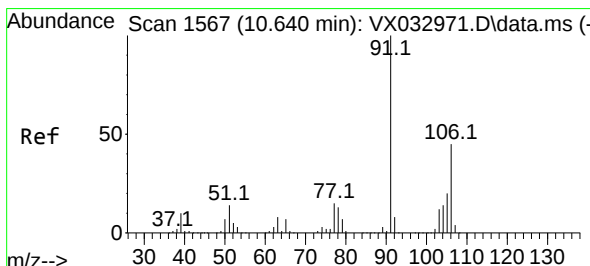
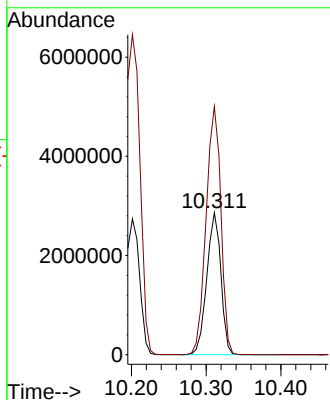
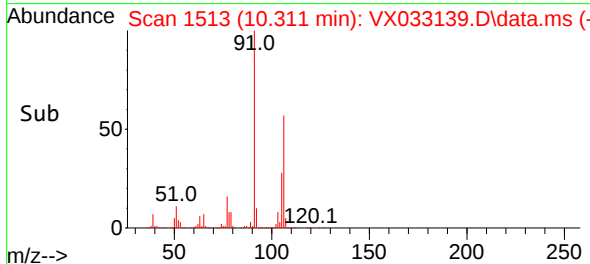
Instrument :
MSVOA_X
ClientSampleId :
MW-03



Tgt Ion:106 Resp: 373576
Ion Ratio Lower Upper
106 100
91 184.0 164.5 246.7

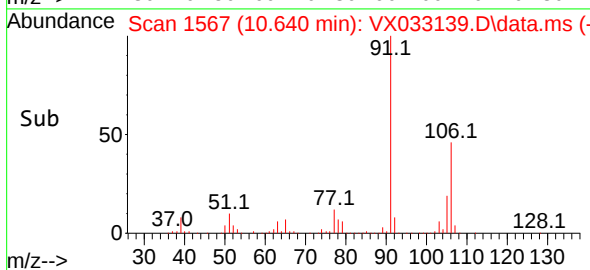
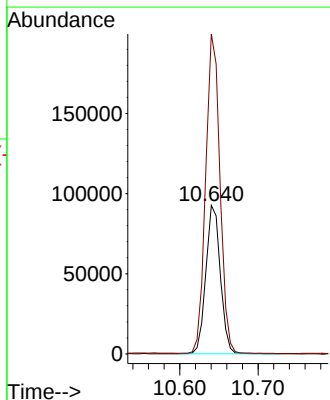
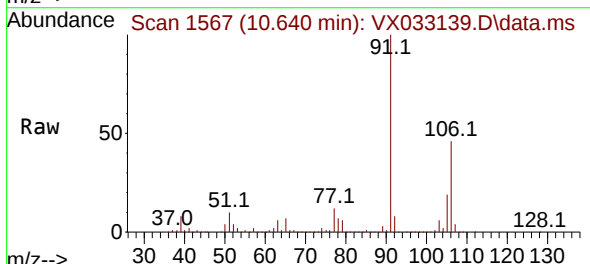
Manual Integrations
APPROVED

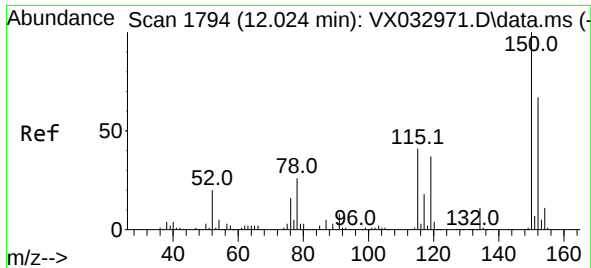
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#69
o-Xylene
Concen: 40.323 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

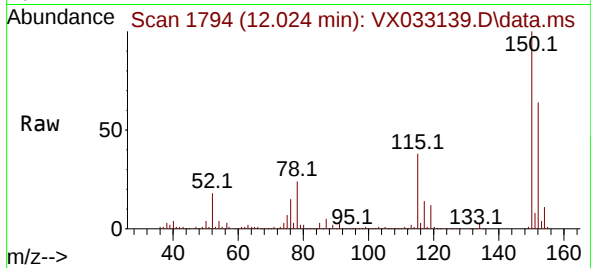
Tgt Ion:106 Resp: 118295
Ion Ratio Lower Upper
106 100
91 213.5 109.2 327.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11404
Delta R.T. 0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

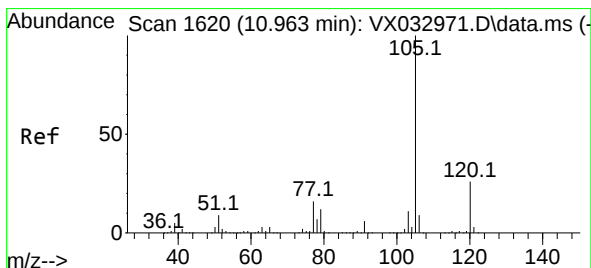
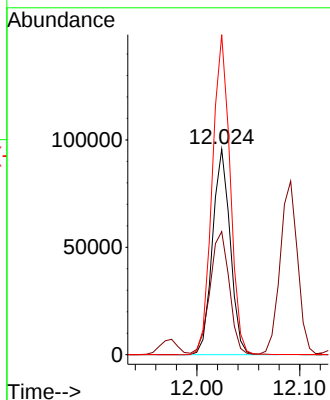
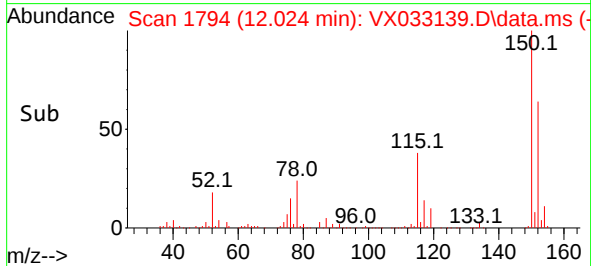
Instrument :
MSVOA_X
ClientSampleId :
MW-03



Tgt Ion:152 Resp: 11404
Ion Ratio Lower Upper
152 100
115 64.7 44.0 132.0
150 157.1 0.0 351.8

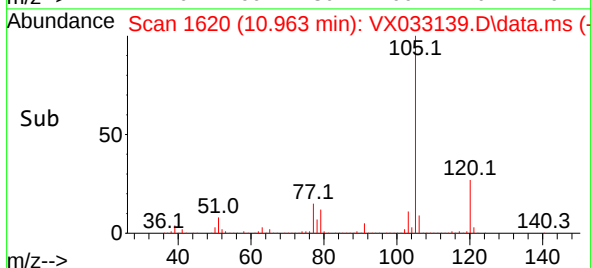
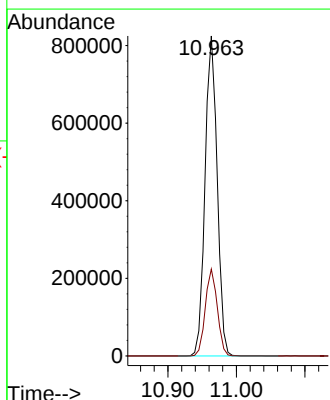
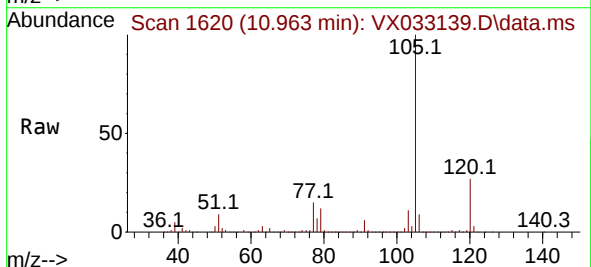
Manual Integrations
APPROVED

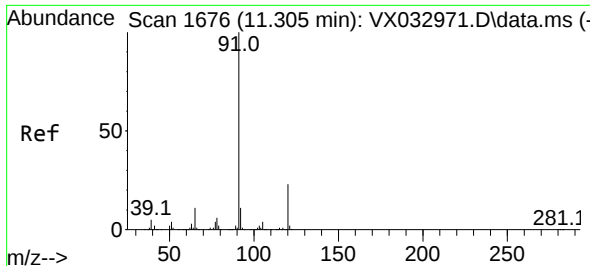
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#73
Isopropylbenzene
Concen: 124.612 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

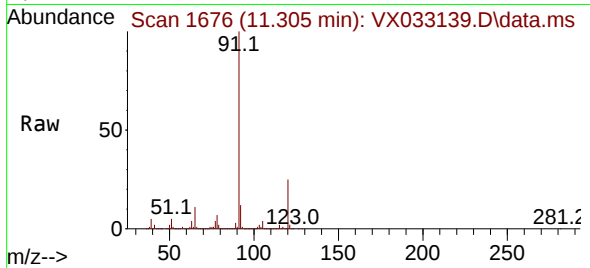
Tgt Ion:105 Resp: 1015551
Ion Ratio Lower Upper
105 100
120 26.9 13.1 39.3





#78
n-propylbenzene
Concen: 392.923 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

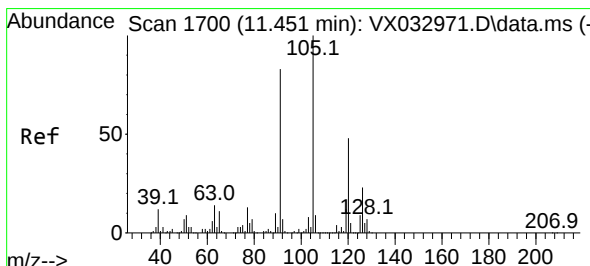
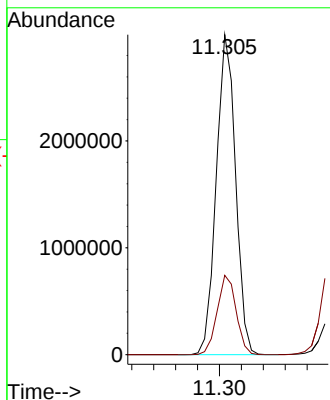
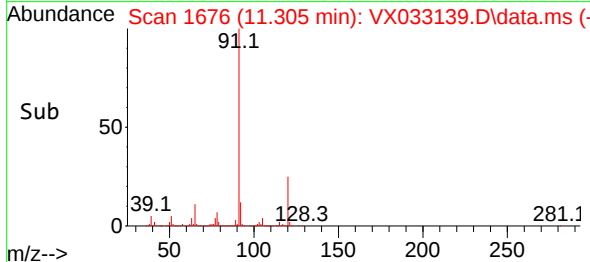
Instrument :
MSVOA_X
ClientSampleId :
MW-03



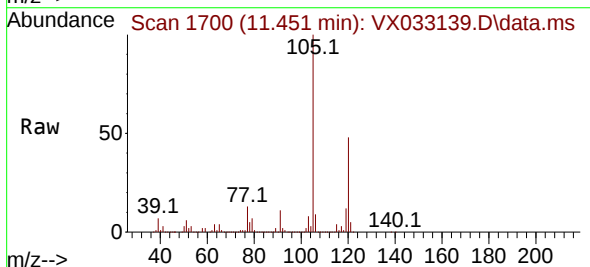
Tgt Ion: 91 Resp: 3661211
Ion Ratio Lower Upper
91 100
120 24.4 11.6 34.8

Manual Integrations
APPROVED

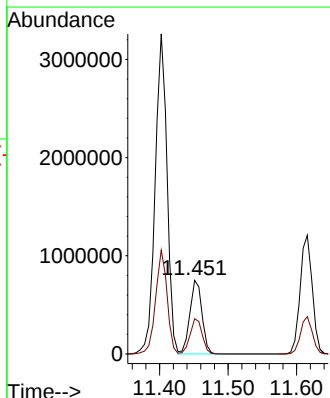
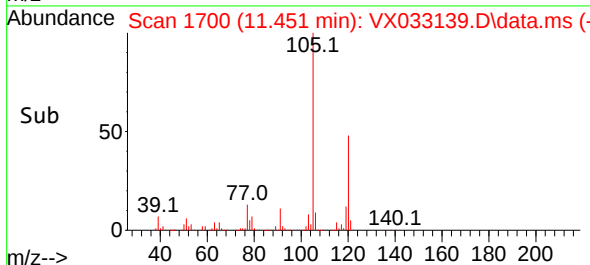
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022

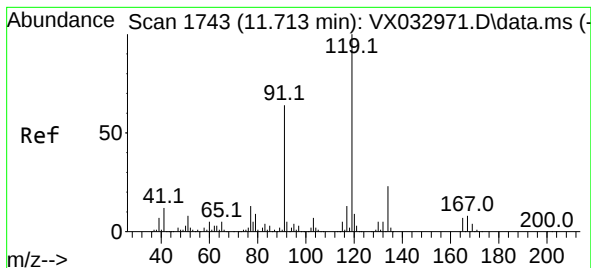


#80
1,3,5-Trimethylbenzene
Concen: 133.958 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01



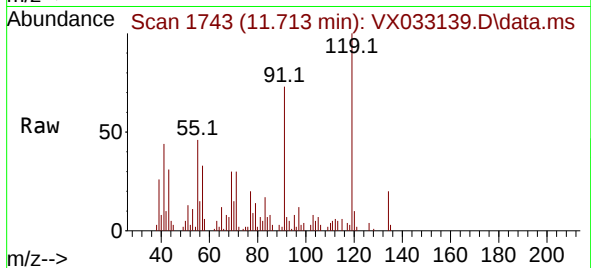
Tgt Ion:105 Resp: 917115
Ion Ratio Lower Upper
105 100
120 47.9 23.6 71.0





#83
tert-Butylbenzene
Concen: 0.768 ug/l m
RT: 11.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

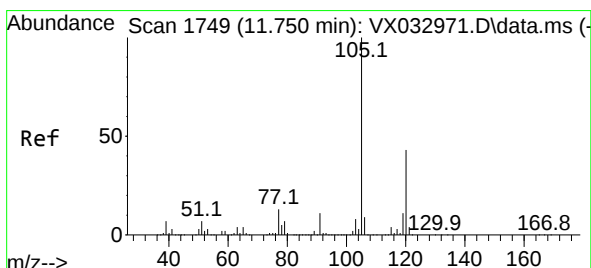
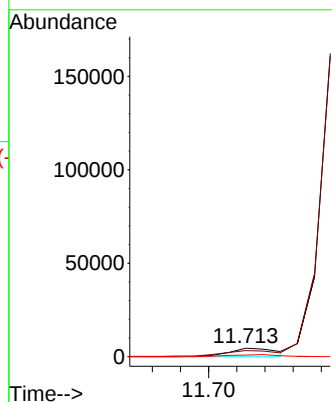
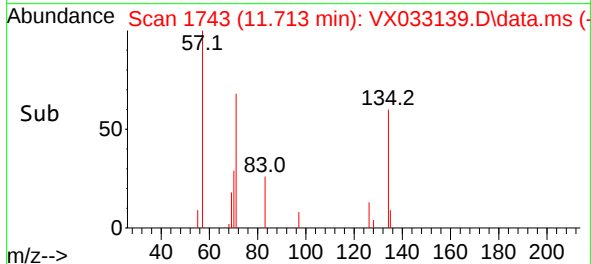
Instrument :
MSVOA_X
ClientSampleId :
MW-03



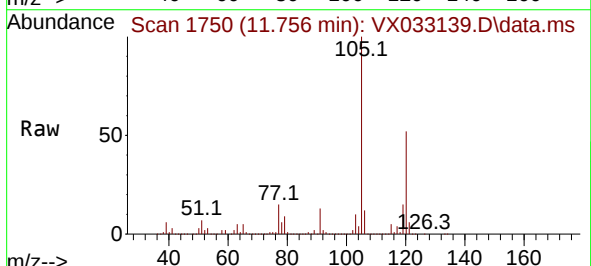
Tgt Ion:119 Resp: 523
Ion Ratio Lower Upper
119 100
91 16603.7 29.4 88
134 0.0 11.0 33.0

Manual Integrations
APPROVED

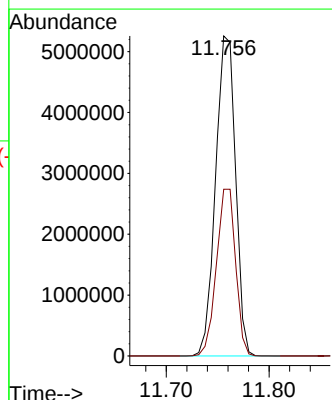
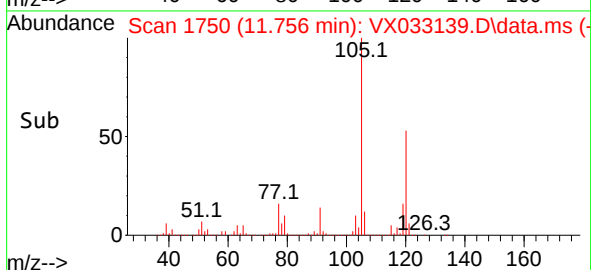
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022

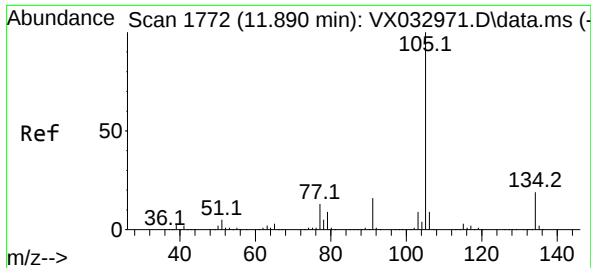


#84
1,2,4-Trimethylbenzene
Concen: 1037.392 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01



Tgt Ion:105 Resp: 7081828
Ion Ratio Lower Upper
105 100
120 50.1 21.9 65.5





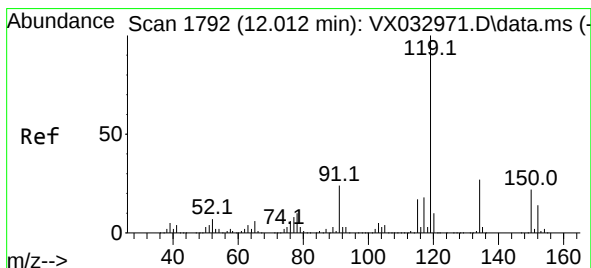
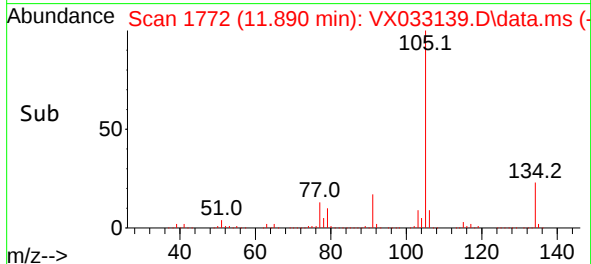
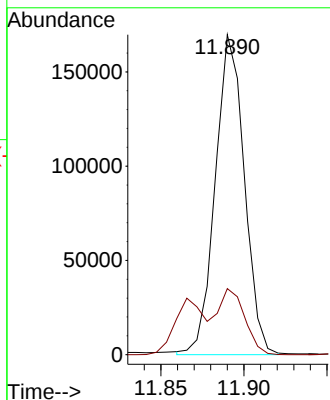
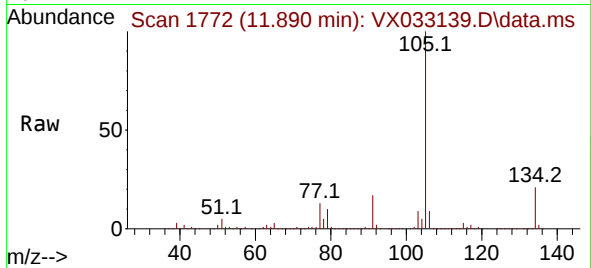
#85
 sec-Butylbenzene
 Concen: 25.317 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033139.D
 Acq: 30 Nov 2022 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-03

Tgt Ion:105 Resp: 20641
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7

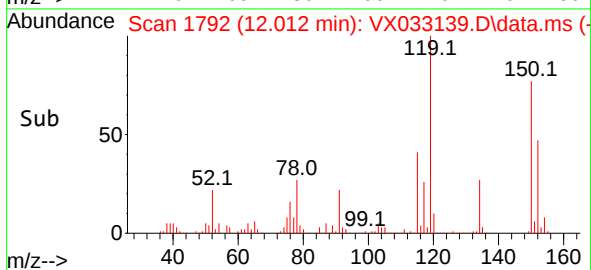
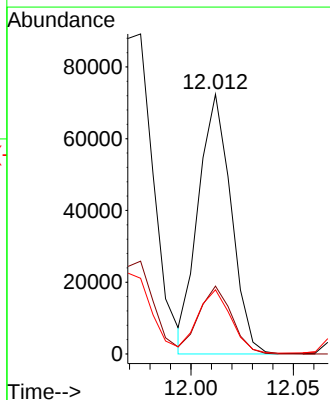
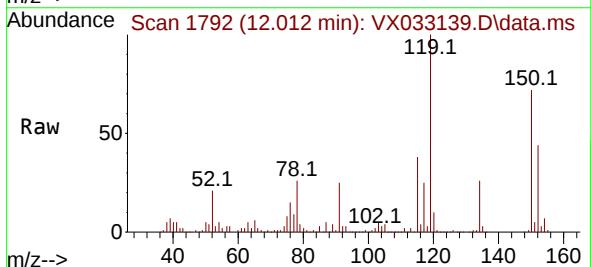
Manual Integrations
 APPROVED

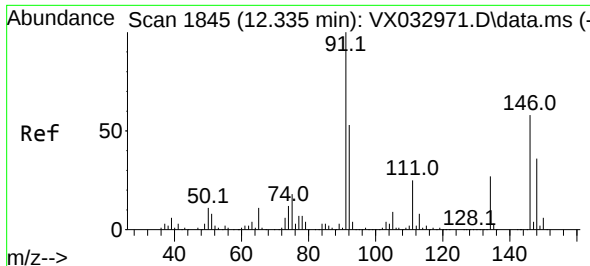
Reviewed By :John Carlone 12/01/2022
 Supervised By :Mahesh Dadoda 12/01/2022



#86
 p-Isopropyltoluene
 Concen: 11.696 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VX033139.D
 Acq: 30 Nov 2022 18:01

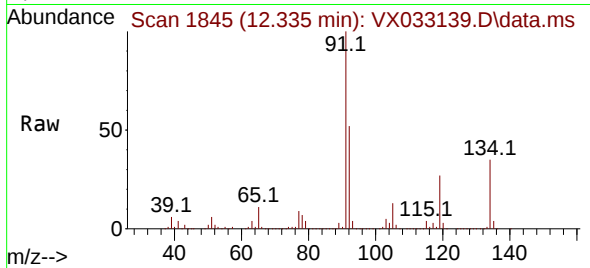
Tgt Ion:119 Resp: 80790
 Ion Ratio Lower Upper
 119 100
 134 39.8 12.9 38.7#
 91 34.4 12.5 37.5





#89
n-Butylbenzene
Concen: 42.578 ug/l m
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

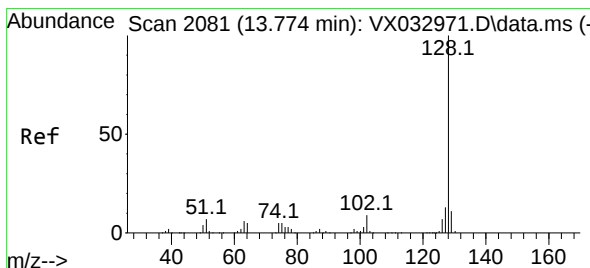
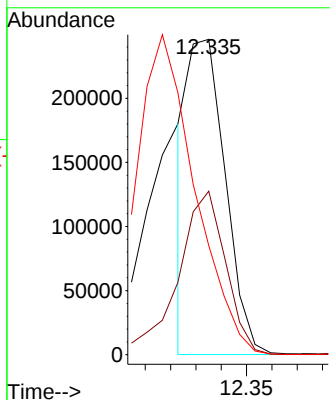
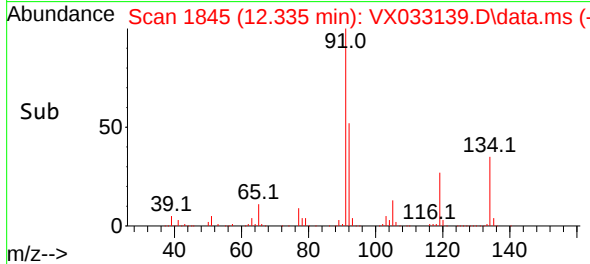
Instrument :
MSVOA_X
ClientSampleId :
MW-03



Tgt Ion: 91 Resp: 253372
Ion Ratio Lower Upper
91 100
92 66.2 26.2 78.6
134 157.3 12.9 38.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#95
Naphthalene
Concen: 317.553 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX033139.D
Acq: 30 Nov 2022 18:01

Tgt Ion:128 Resp: 2315808
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.4 8.9 13.3

