

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
 Data File : VX033077.D
 Acq On : 25 Nov 2022 18:46
 Operator : JC/MD
 Sample : N5747-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP112122

Quant Time: Nov 28 00:50:46 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 11/28/2022
 Supervised By : Mahesh Dadoda 11/28/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	140861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73807	53.864	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.720%			
35) Dibromofluoromethane	5.385	113	57465	43.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.880%			
50) Toluene-d8	8.647	98	207745	52.922	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.840%			
62) 4-Bromofluorobenzene	11.079	95	89221	51.936	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.880%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.995	59	231035	1062.458	ug/l	100
16) Acetone	2.392	43	1815	2.833	ug/l #	88
19) Methyl tert-butyl Ether	3.111	73	109577	25.703	ug/l #	17
22) Diisopropyl ether	3.763	45	24073	5.571	ug/l #	86
31) Cyclohexane	5.477	56	92305	41.528	ug/l	92
39) Methylcyclohexane	7.379	83	69801	29.255	ug/l	93
40) Benzene	6.044	78	4974336	848.433	ug/l	98
52) Toluene	8.720	92	251657	65.243	ug/l	100
67) Ethyl Benzene	10.195	91	4592852	611.762	ug/l	95
68) m/p-Xylenes	10.305	106	1958548	666.199	ug/l	94
69) o-Xylene	10.646	106	1176119	413.464	ug/l	96
73) Isopropylbenzene	10.963	105	347237	40.191	ug/l	100
78) n-propylbenzene	11.305	91	1010731	102.319	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	669899	92.298	ug/l	99
83) tert-Butylbenzene	11.713	119	2938m	0.407	ug/l	
84) 1,2,4-Trimethylbenzene	11.756	105	3322567	459.104	ug/l	96
85) sec-Butylbenzene	11.890	105	47014m	5.439	ug/l	
86) p-Isopropyltoluene	12.012	119	24089	3.289	ug/l #	73
89) n-Butylbenzene	12.329	91	97352	15.431	ug/l #	31
95) Naphthalene	13.774	128	1855544	240.008	ug/l	99

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

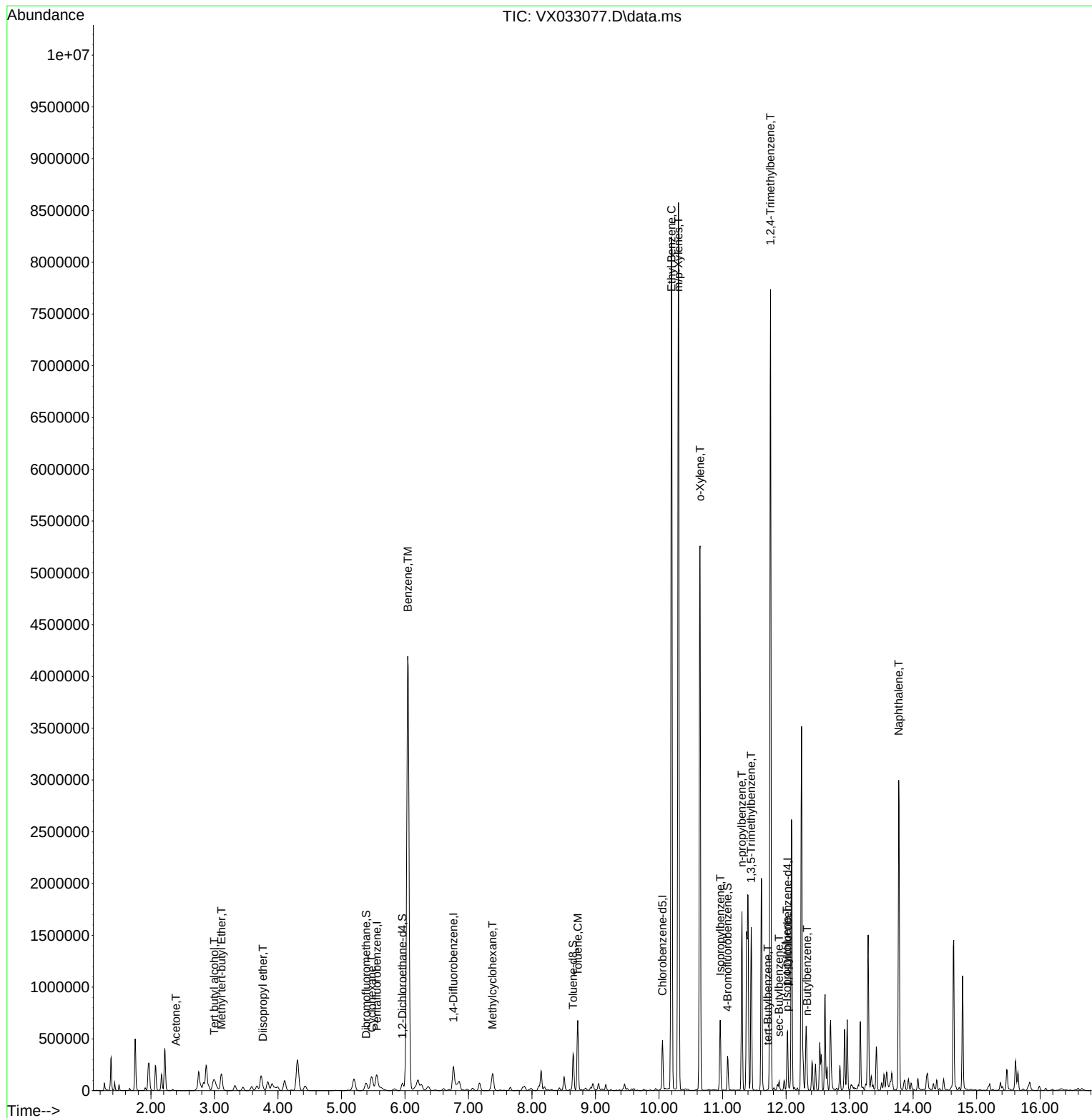
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
Data File : VX033077.D
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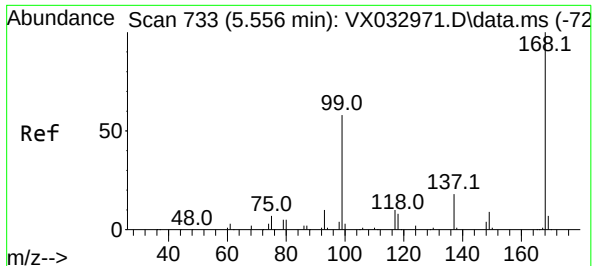
Instrument :
MSVOA_X
ClientSampleId :
DUP112122

Quant Time: Nov 28 00:50:46 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

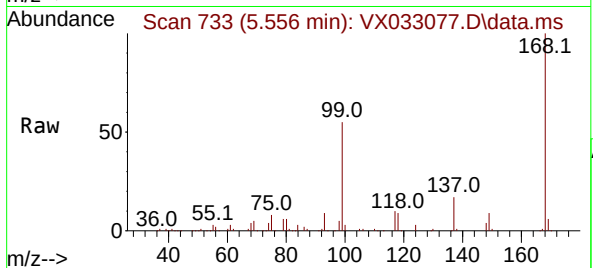
Reviewed By : John Carlone 11/28/2022
Supervised By : Mahesh Dadoda 11/28/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

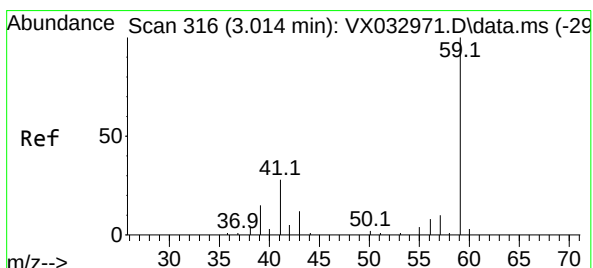
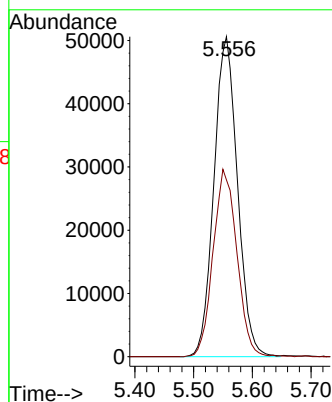
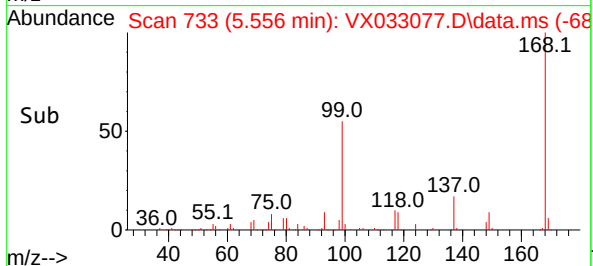
Instrument :
MSVOA_X
ClientSampleId :
DUP112122



Tgt Ion:168 Resp: 14086
Ion Ratio Lower Upper
168 100
99 55.3 46.1 69.1

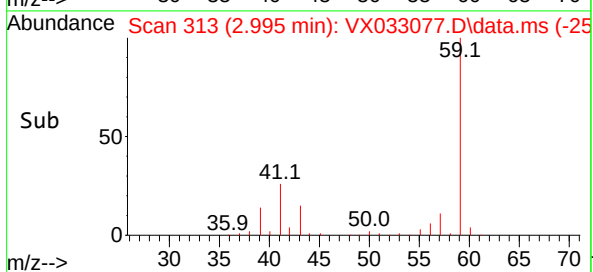
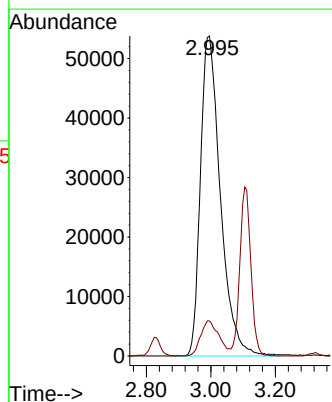
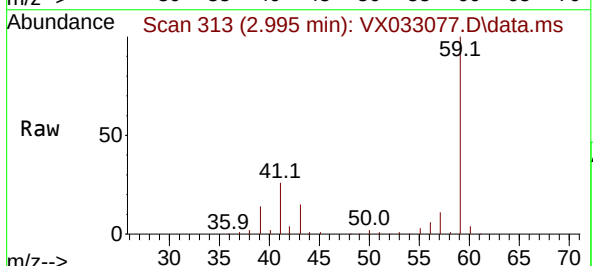
Manual Integrations
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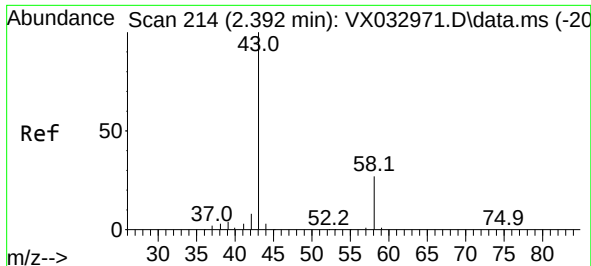
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#11
Tert butyl alcohol
Concen: 1062.458 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.030 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

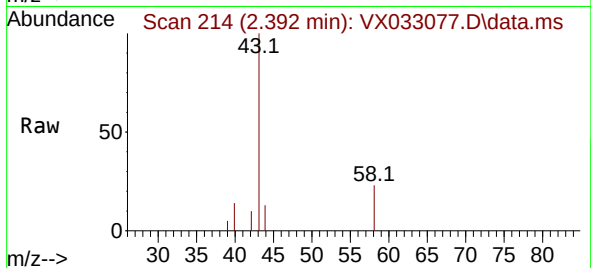
Tgt Ion: 59 Resp: 231035
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4





#16
Acetone
Concen: 2.833 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

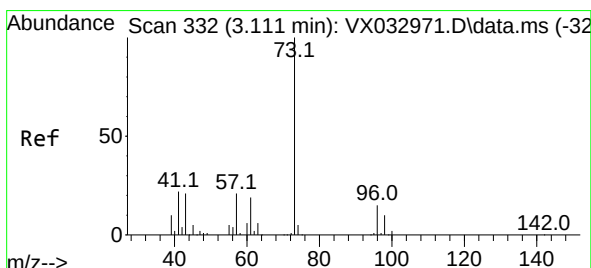
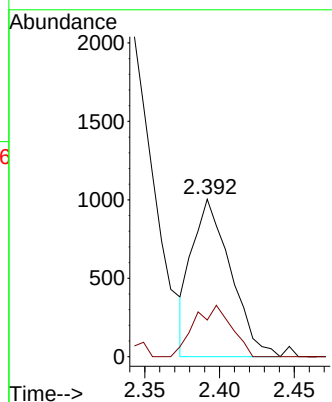
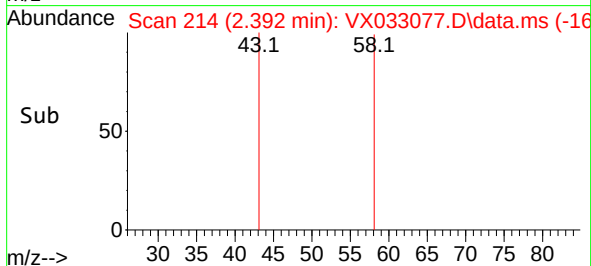
Instrument :
MSVOA_X
ClientSampleId :
DUP112122



Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
58 23.3 23.8 35.8

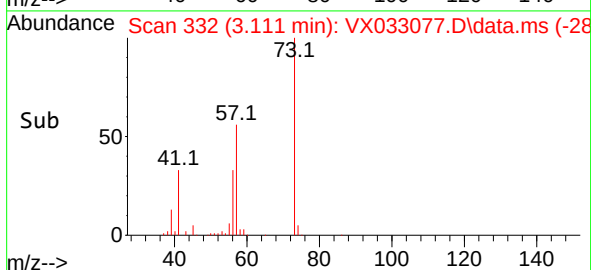
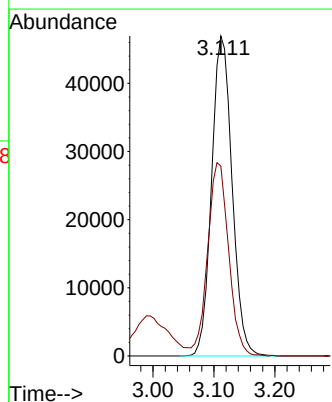
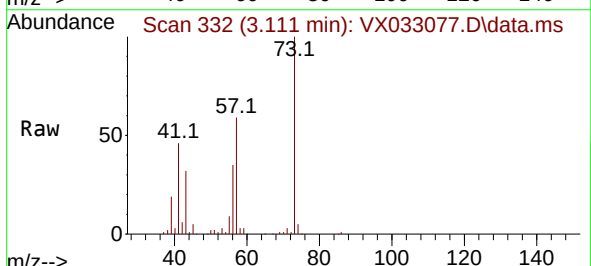
Manual Integrations
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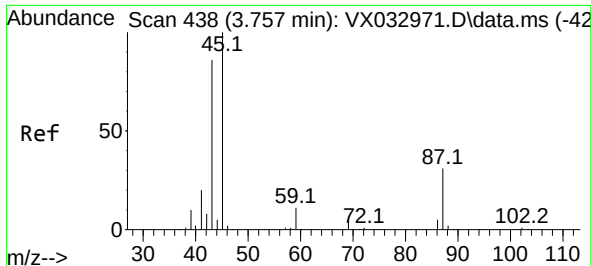
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#19
Methyl tert-butyl Ether
Concen: 25.703 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

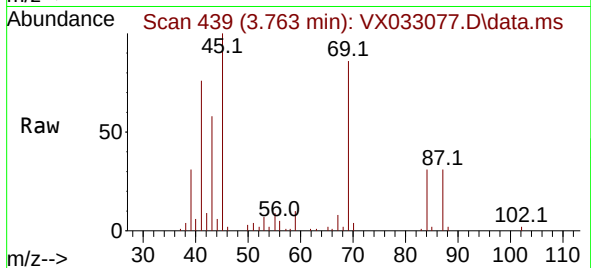
Tgt Ion: 73 Resp: 109577
Ion Ratio Lower Upper
73 100
57 59.4 16.6 25.0





#22
Diisopropyl ether
Concen: 5.571 ug/l
RT: 3.763 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

Instrument :
MSVOA_X
ClientSampleId :
DUP112122

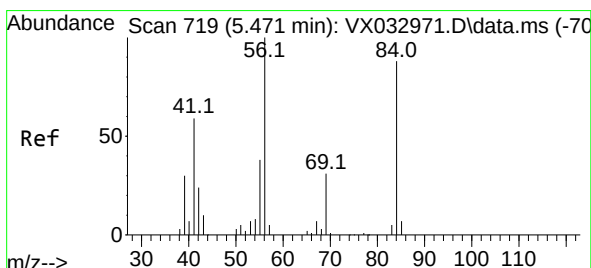
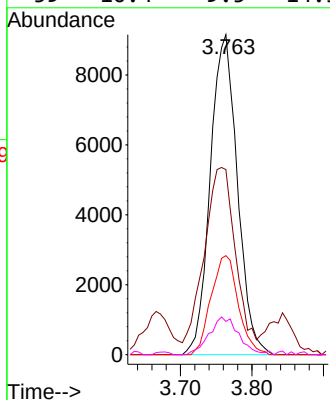
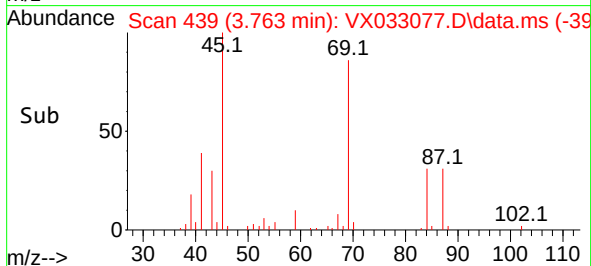


Tgt Ion: 45 Resp: 2407

Ion	Ratio	Lower	Upper
45	100		
43	53.5	56.4	84.6
87	31.0	24.4	36.6
59	10.4	9.5	14.3

Manual Integrations
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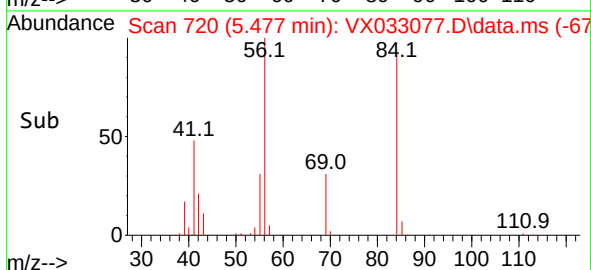
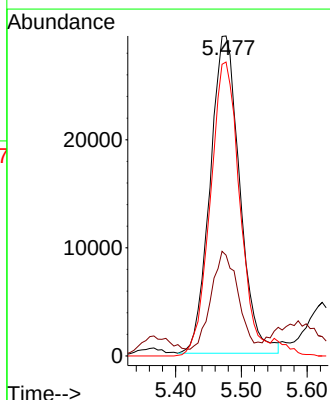
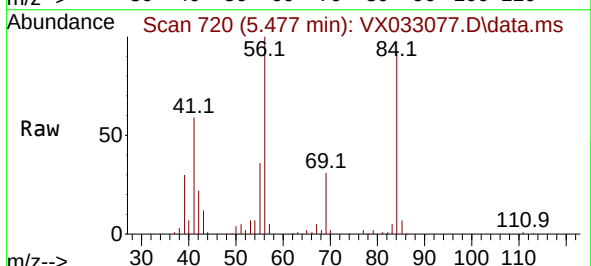
Reviewed By :John Carlone 11/28/2022
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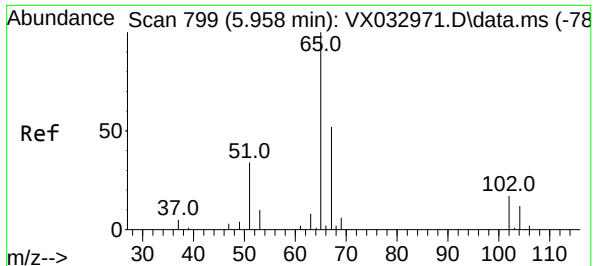


#31
Cyclohexane
Concen: 41.528 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.007 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

Tgt Ion: 56 Resp: 92305

Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.1	36.1
84	92.4	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 53.864 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033077.D

Acq: 25 Nov 2022 18:46

Instrument :

MSVOA_X

ClientSampleId :

DUP112122

Tgt Ion: 65 Resp: 7380

Ion Ratio Lower Upper

65 100

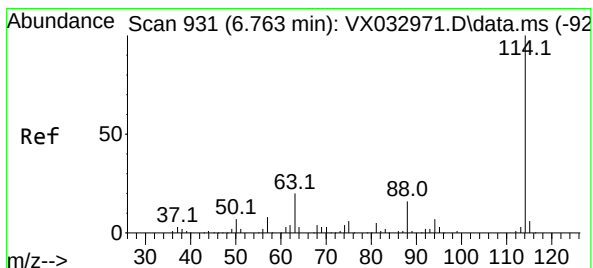
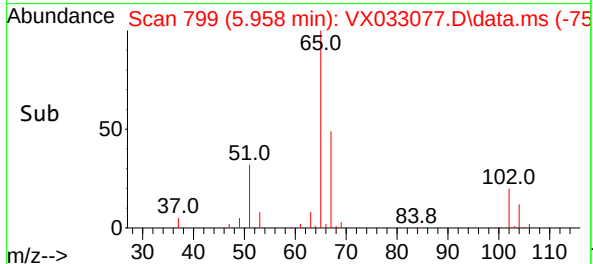
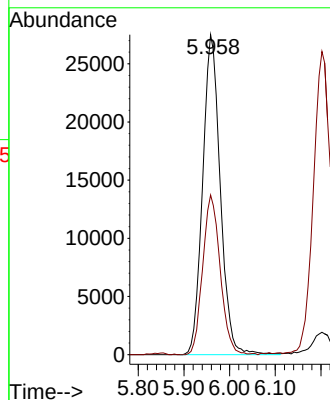
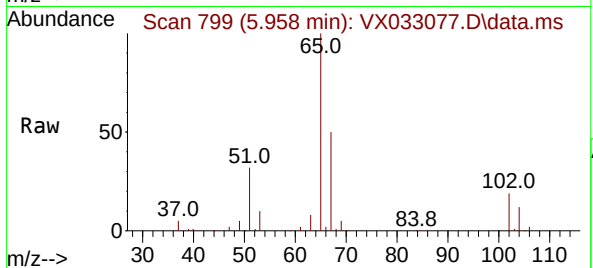
67 49.4 0.0 101.8

Manual Integrations

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Reviewed By :John Carlone 11/28/2022

Supervised By :Mahesh Dadoda 11/28/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033077.D

Acq: 25 Nov 2022 18:46

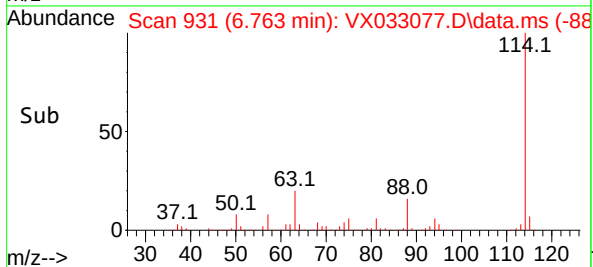
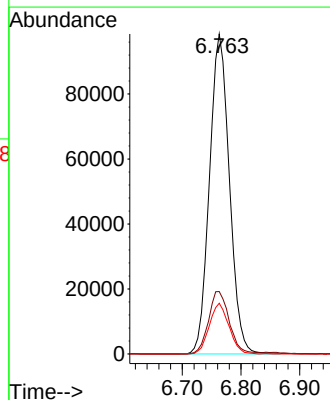
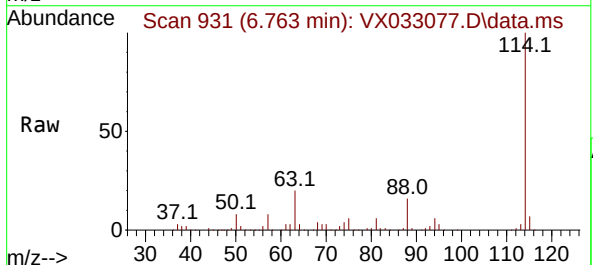
Tgt Ion:114 Resp: 231975

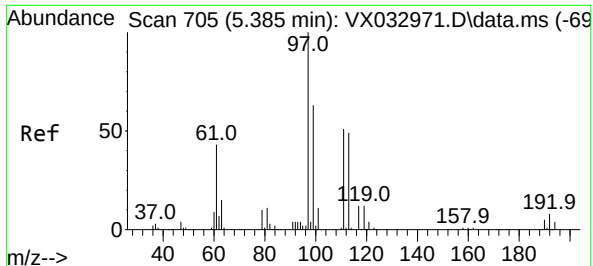
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.6

88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 43.941 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033077.D

Acq: 25 Nov 2022 18:46

Instrument :

MSVOA_X

ClientSampleId :

DUP112122

Tgt Ion:113 Resp: 5746

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

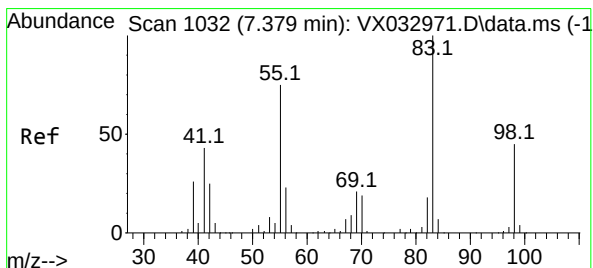
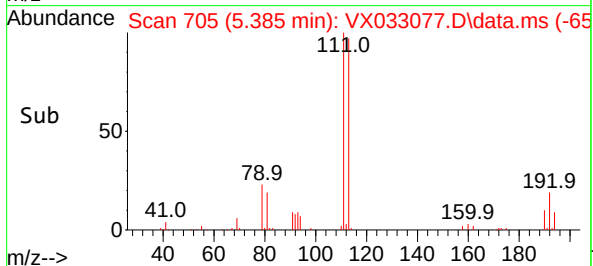
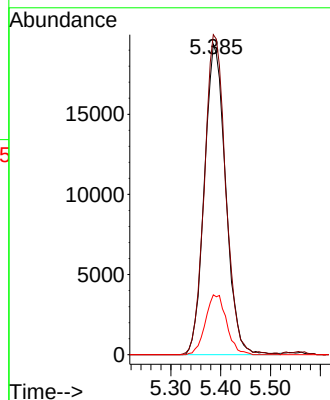
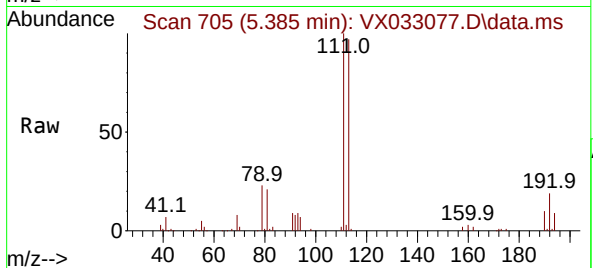
192 19.1 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/28/2022

Supervised By :Mahesh Dadoda 11/28/2022



#39

Methylcyclohexane

Concen: 29.255 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX033077.D

Acq: 25 Nov 2022 18:46

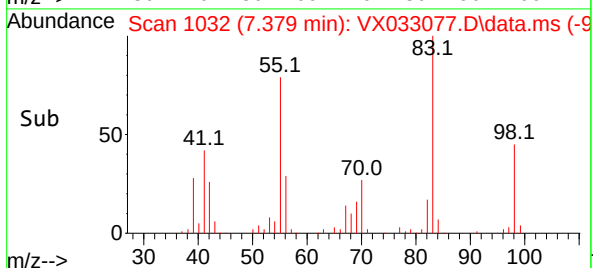
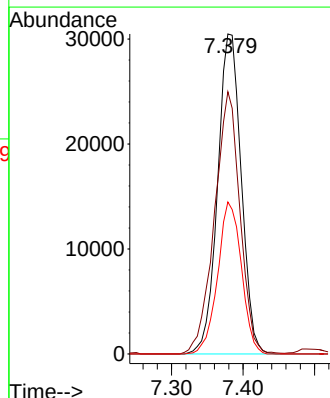
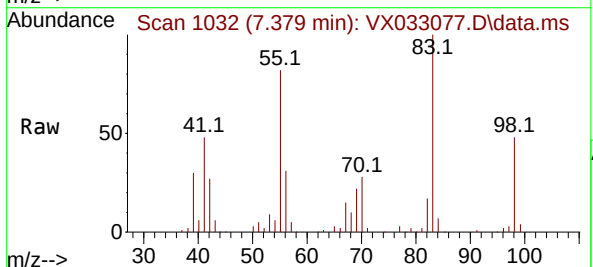
Tgt Ion: 83 Resp: 69801

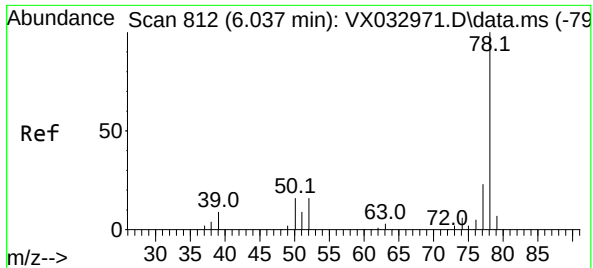
Ion Ratio Lower Upper

83 100

55 81.9 58.4 87.6

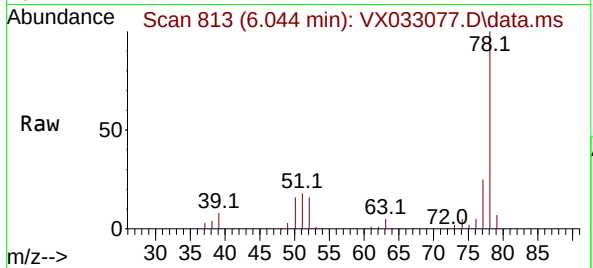
98 47.5 37.2 55.8





#40
Benzene
Concen: 848.433 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

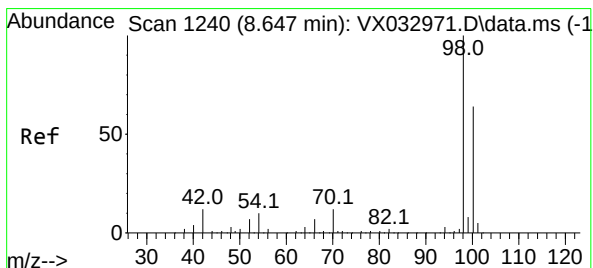
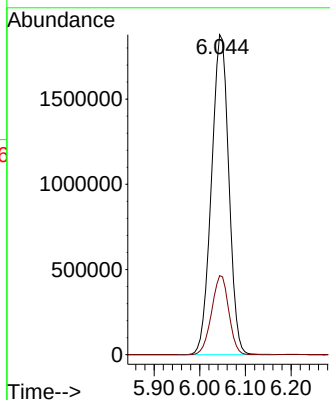
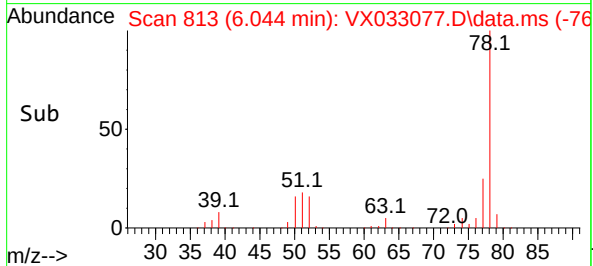
Instrument :
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Tgt Ion: 78 Resp: 4974330
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.4

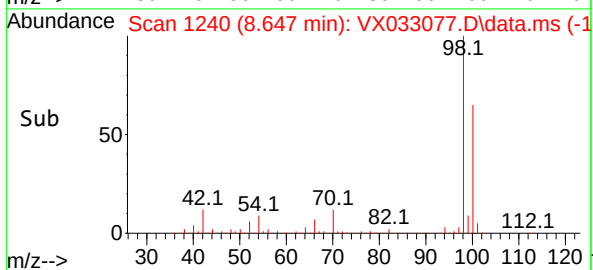
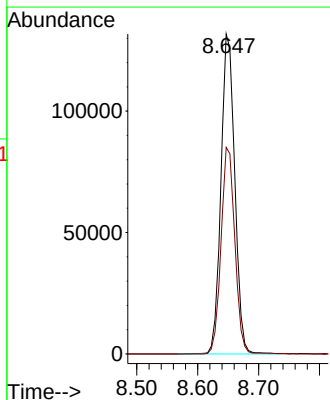
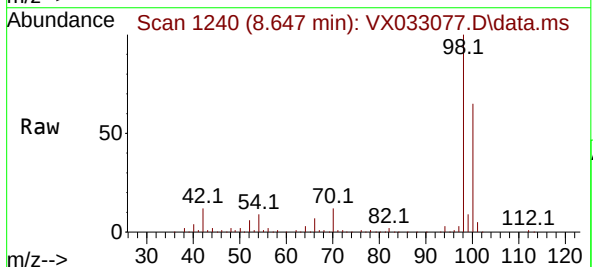
Manual Integrations
APPROVED

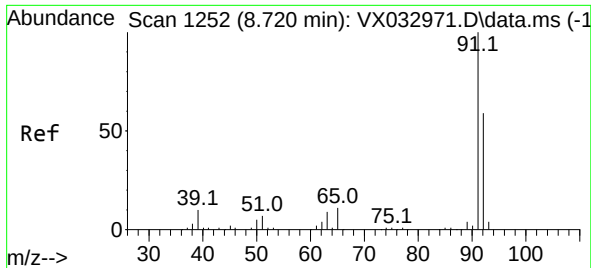
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#50
Toluene-d8
Concen: 52.922 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

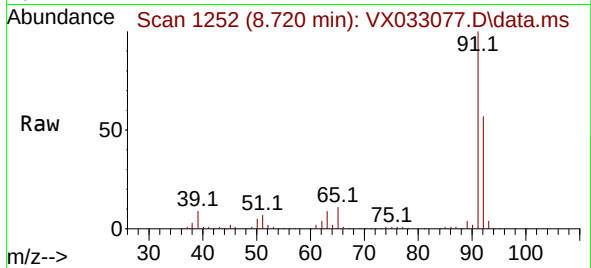
Tgt Ion: 98 Resp: 207745
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3





#52
Toluene
Concen: 65.243 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

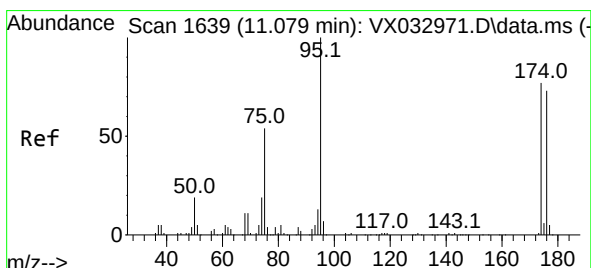
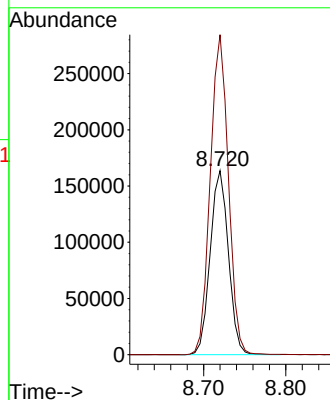
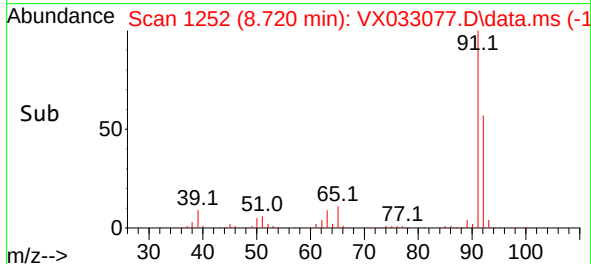
Instrument :
MSVOA_X
ClientSampleId :
DUP112122



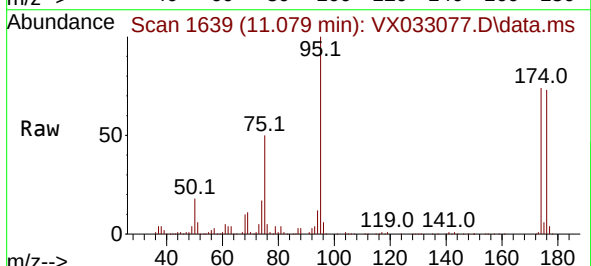
Tgt Ion: 92 Resp: 25165
Ion Ratio Lower Upper
92 100
91 173.3 138.3 207.5

Manual Integrations
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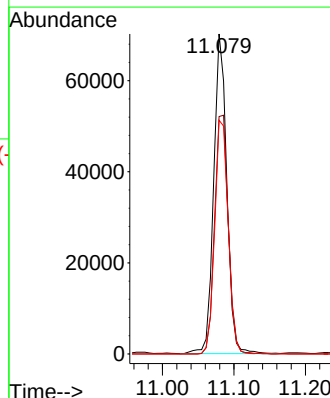
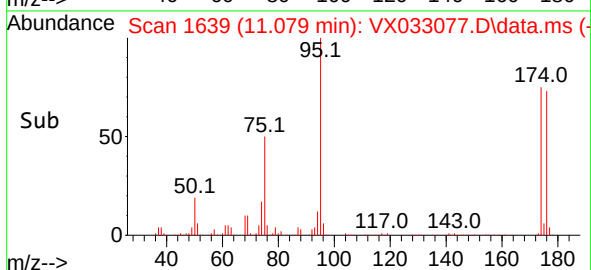
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022

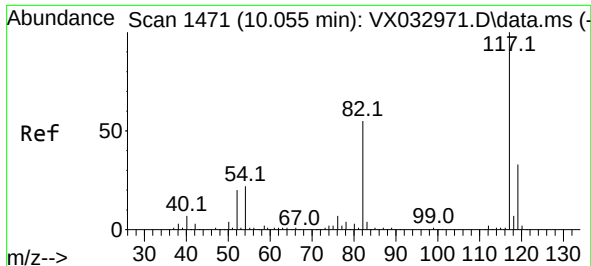


#62
4-Bromofluorobenzene
Concen: 51.936 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46



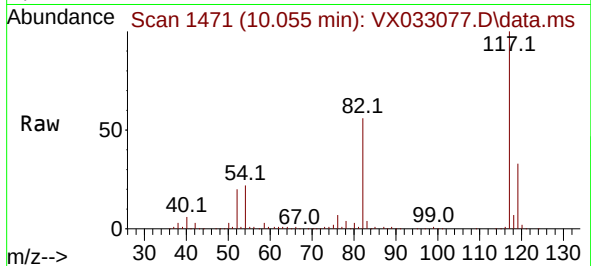
Tgt Ion: 95 Resp: 89221
Ion Ratio Lower Upper
95 100
174 78.2 0.0 164.0
176 75.1 0.0 154.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

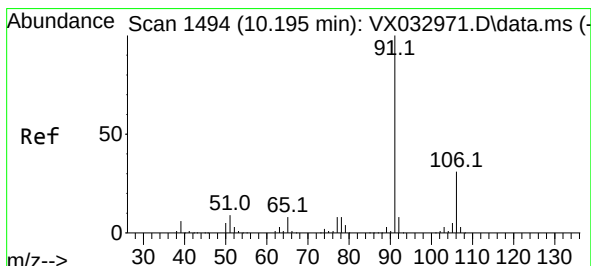
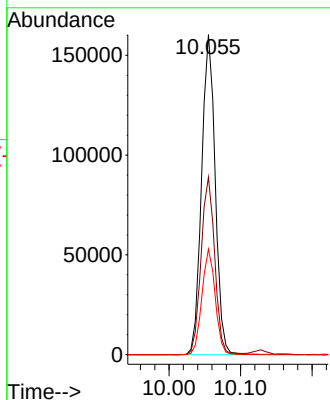
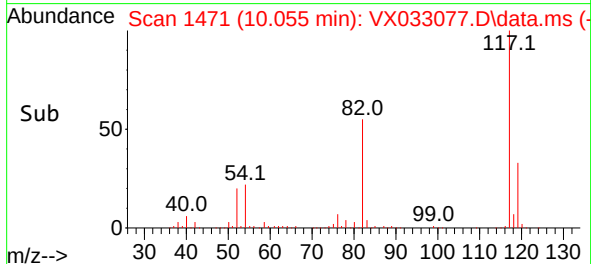
Instrument :
MSVOA_X
ClientSampleId :
DUP112122



Tgt Ion: 117 Resp: 212280
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 33.0 25.7 38.5

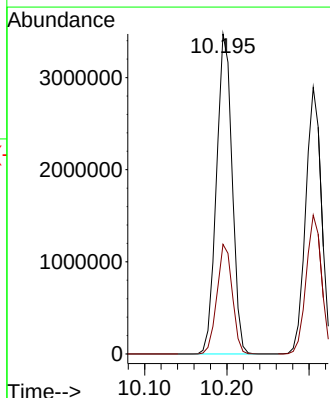
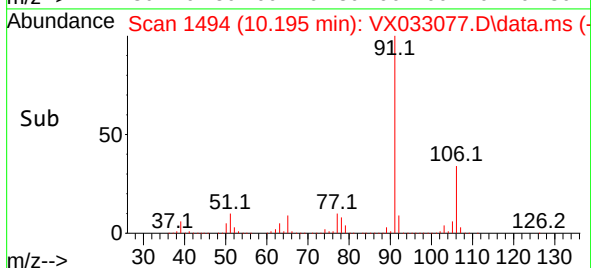
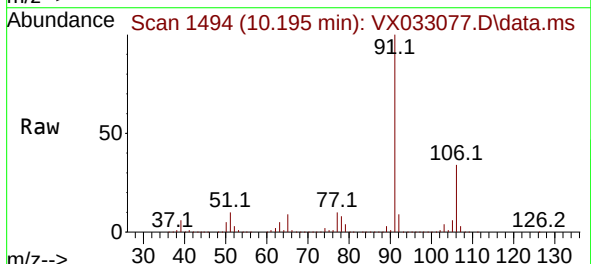
Manual Integrations
APPROVED

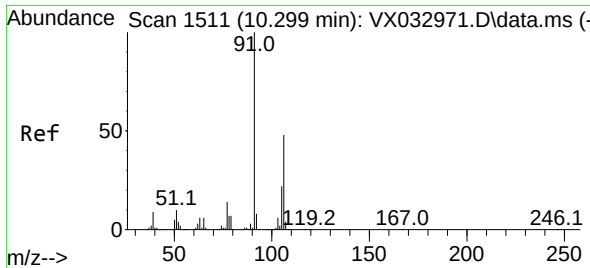
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#67
Ethyl Benzene
Concen: 611.762 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

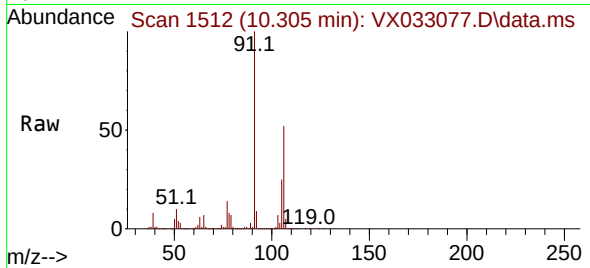
Tgt Ion: 91 Resp: 4592852
Ion Ratio Lower Upper
91 100
106 34.2 25.0 37.6





#68
m/p-Xylenes
Concen: 666.199 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

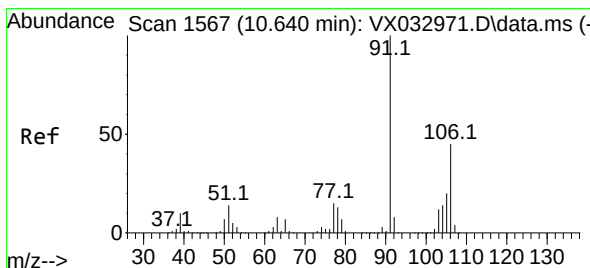
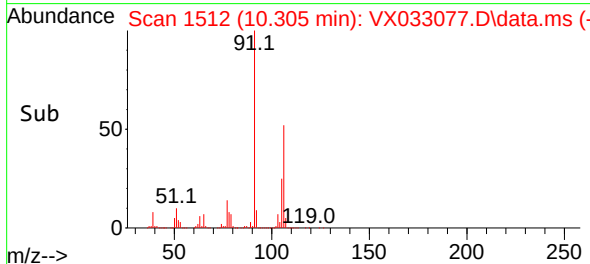
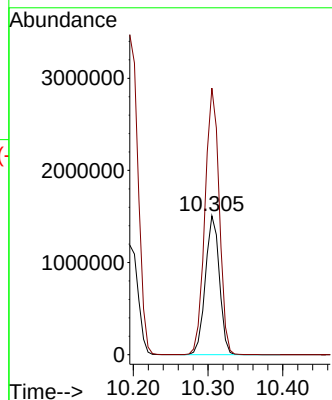
Instrument :
MSVOA_X
ClientSampleId :
DUP112122



Tgt Ion:106 Resp: 1958548
Ion Ratio Lower Upper
106 100
91 195.7 164.5 246.7

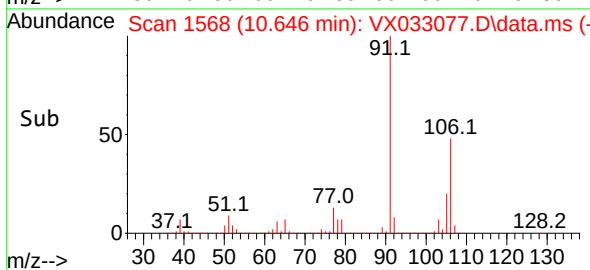
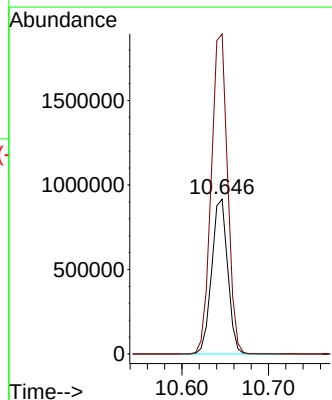
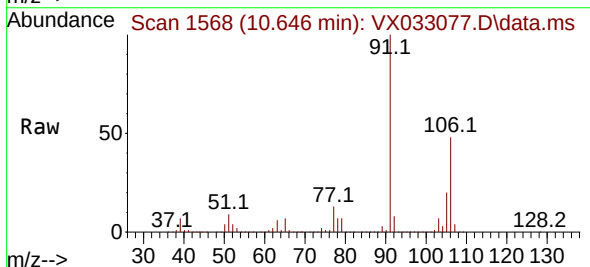
Manual Integrations
APPROVED

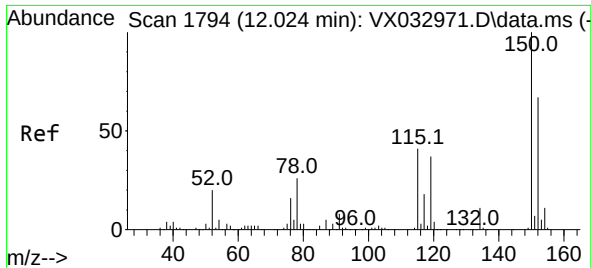
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#69
o-Xylene
Concen: 413.464 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

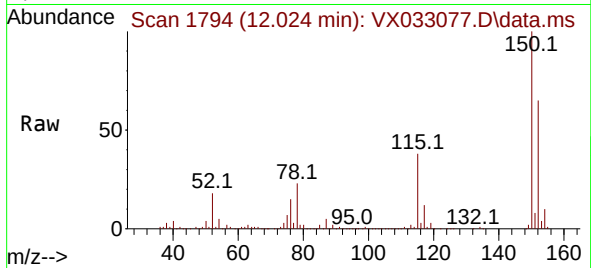
Tgt Ion:106 Resp: 1176119
Ion Ratio Lower Upper
106 100
91 211.5 109.2 327.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

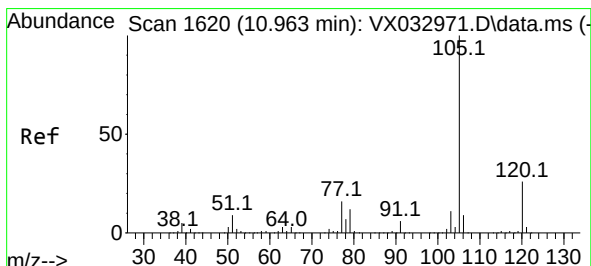
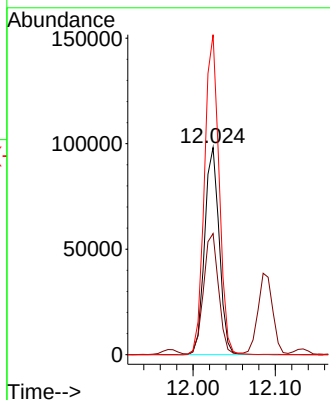
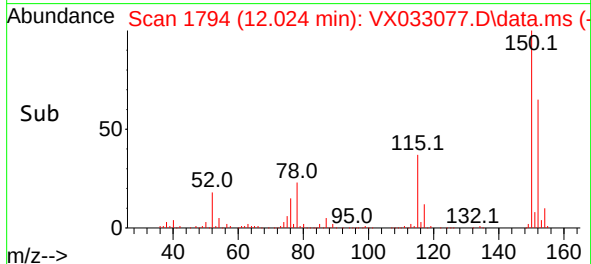
Instrument :
MSVOA_X
ClientSampleId :
DUP112122



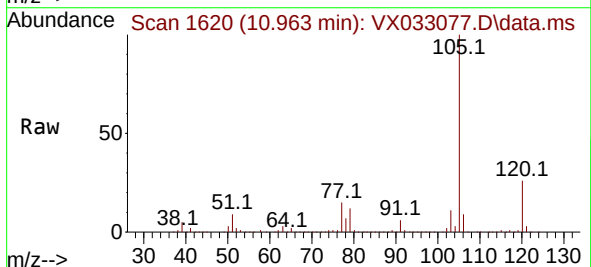
Tgt Ion:152 Resp: 120908
Ion Ratio Lower Upper
152 100
115 59.7 44.0 132.0
150 154.9 0.0 351.8

Manual Integrations
APPROVED

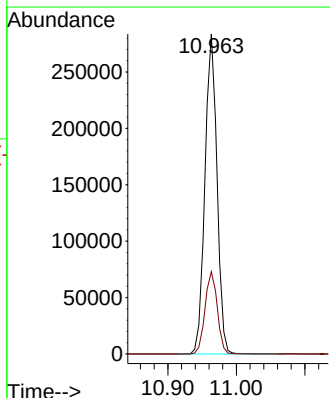
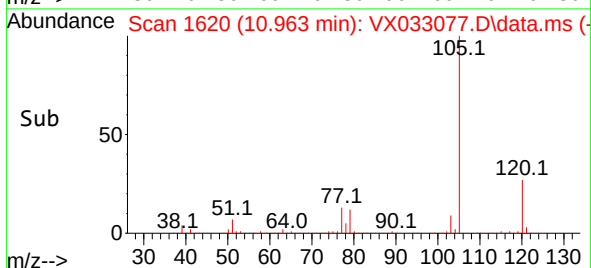
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022

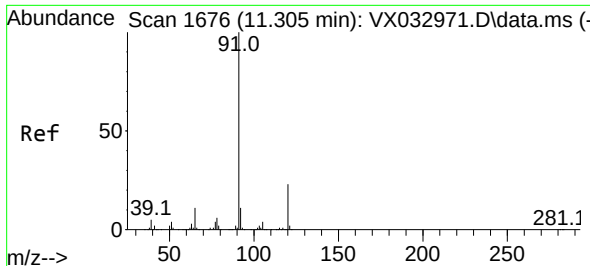


#73
Isopropylbenzene
Concen: 40.191 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46



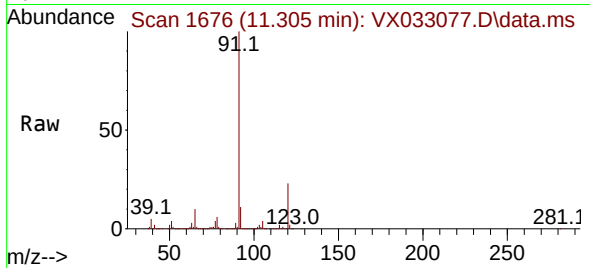
Tgt Ion:105 Resp: 347237
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.3





#78
n-propylbenzene
Concen: 102.319 ug/l
RT: 11.305 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

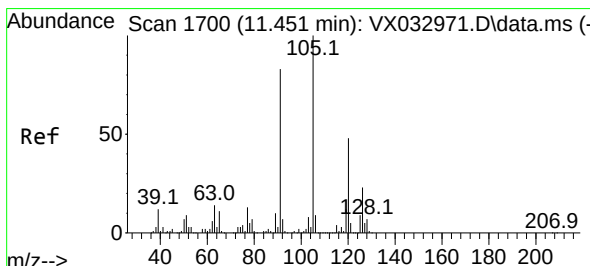
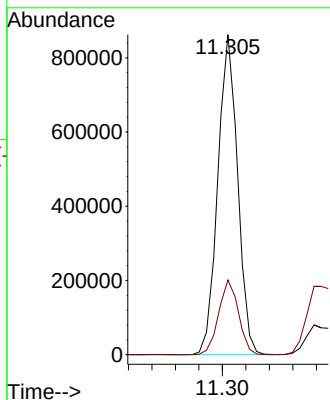
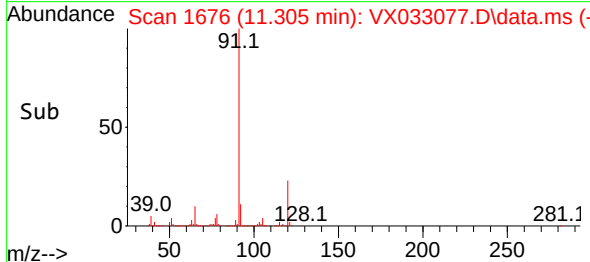
Instrument :
MSVOA_X
ClientSampleId :
DUP112122



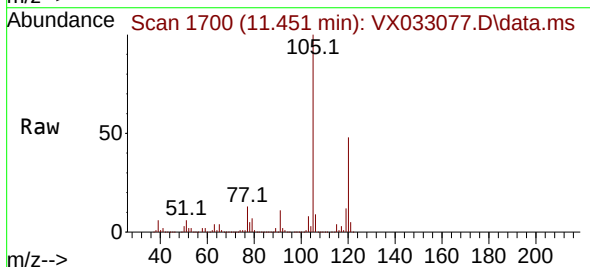
Tgt Ion: 91 Resp: 101073
Ion Ratio Lower Upper
91 100
120 23.3 11.6 34.8

Manual Integrations
APPROVED

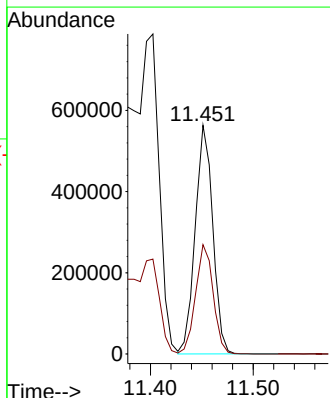
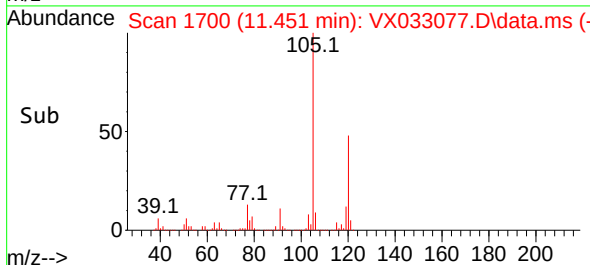
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022

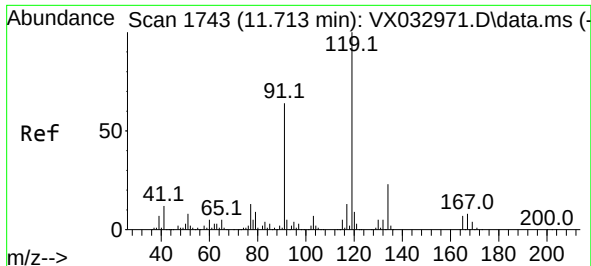


#80
1,3,5-Trimethylbenzene
Concen: 92.298 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46



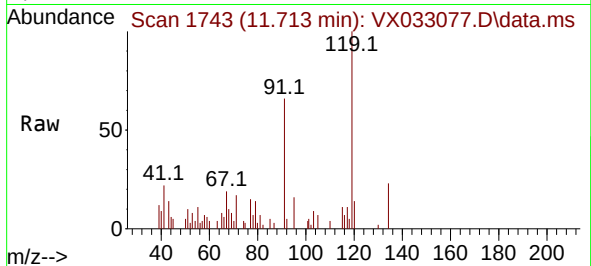
Tgt Ion:105 Resp: 669899
Ion Ratio Lower Upper
105 100
120 47.9 23.6 71.0





#83
tert-Butylbenzene
Concen: 0.407 ug/l m
RT: 11.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46

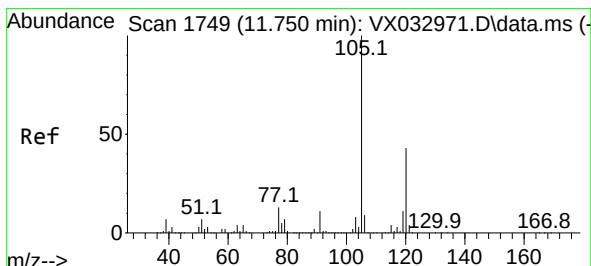
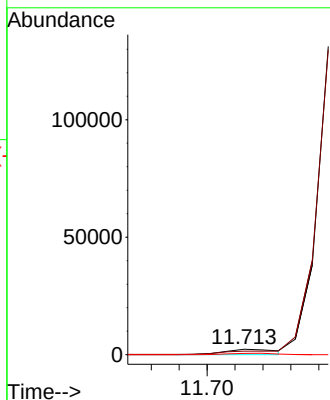
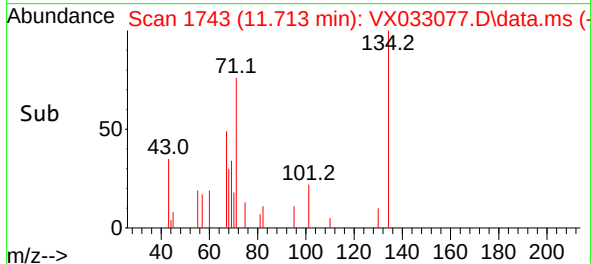
Instrument :
MSVOA_X
ClientSampleId :
DUP112122



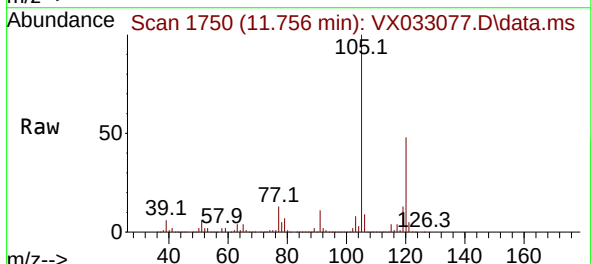
Tgt Ion:119 Resp: 2938
Ion Ratio Lower Upper
119 100
91 12680.0 29.4 88
134 0.0 11.0 33.0

Manual Integrations
APPROVED

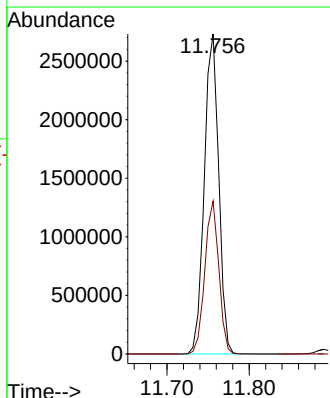
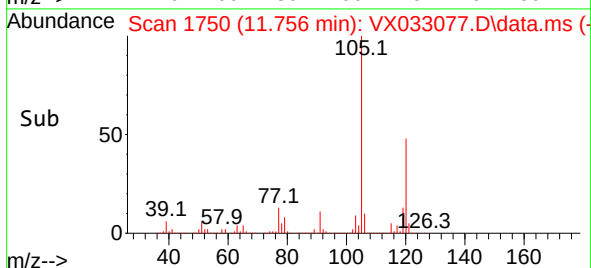
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022

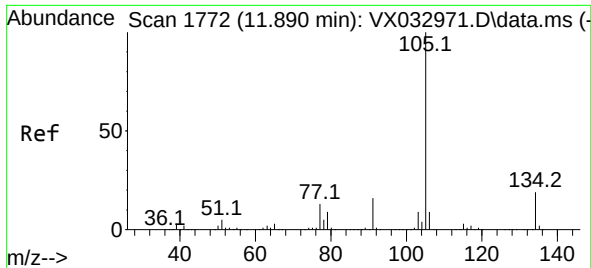


#84
1,2,4-Trimethylbenzene
Concen: 459.104 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX033077.D
Acq: 25 Nov 2022 18:46



Tgt Ion:105 Resp: 3322567
Ion Ratio Lower Upper
105 100
120 46.4 21.9 65.5





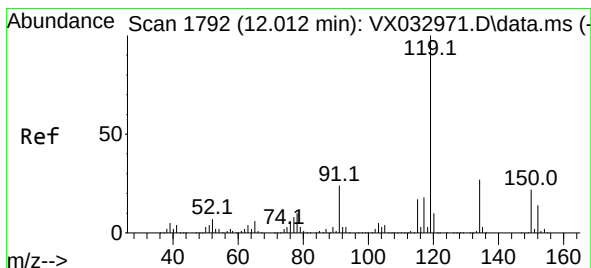
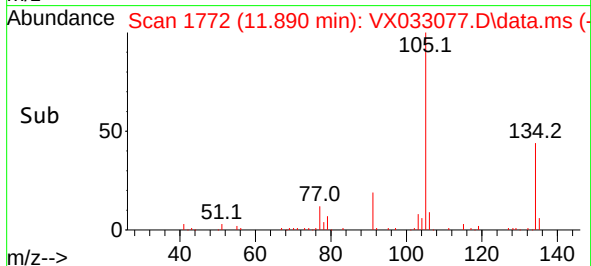
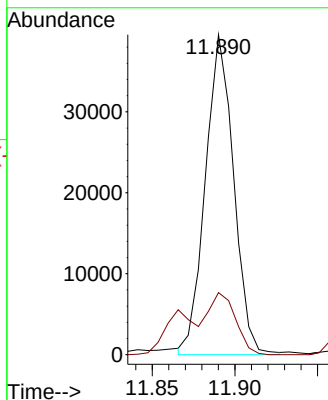
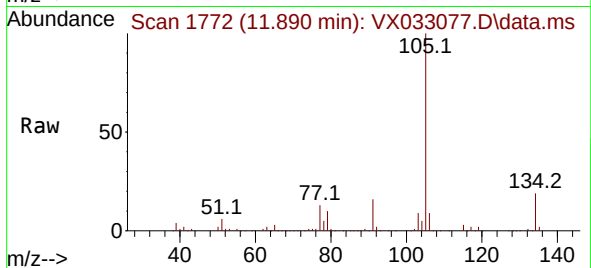
#85
 sec-Butylbenzene
 Concen: 5.439 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033077.D
 Acq: 25 Nov 2022 18:46

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP112122

Tgt Ion:105 Resp: 47014
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7

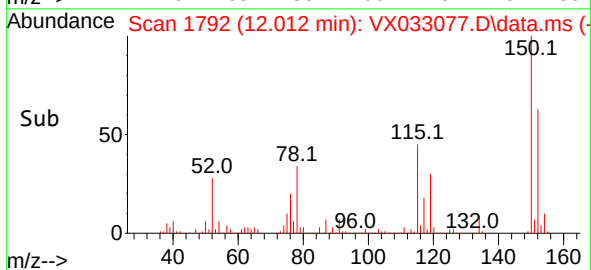
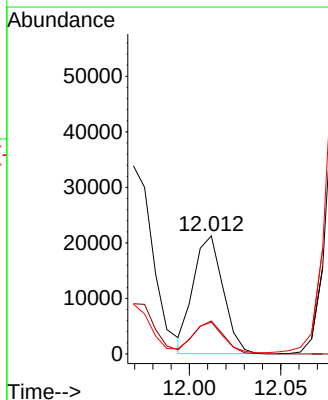
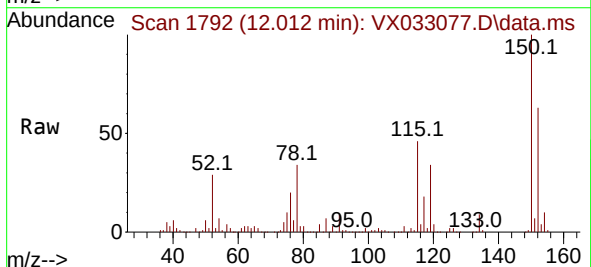
Manual Integrations
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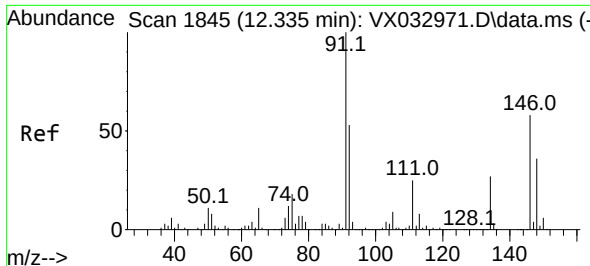
Reviewed By :John Carlone 11/28/2022
 Supervised By :Mahesh Dadoda 11/28/2022



#86
 p-Isopropyltoluene
 Concen: 3.289 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VX033077.D
 Acq: 25 Nov 2022 18:46

Tgt Ion:119 Resp: 24089
 Ion Ratio Lower Upper
 119 100
 134 28.3 12.9 38.7
 91 0.0 12.5 37.5





#89

n-Butylbenzene

Concen: 15.431 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX033077.D

Acq: 25 Nov 2022 18:46

Instrument :

MSVOA_X

ClientSampleId :

DUP112122

Tgt Ion: 91 Resp: 97352

Ion Ratio Lower Upper

91 100

92 32.5 26.2 78.6

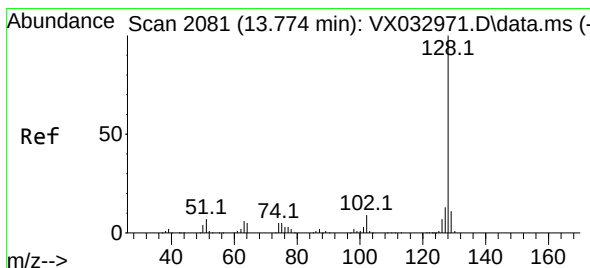
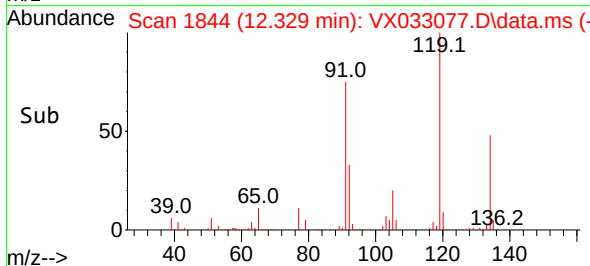
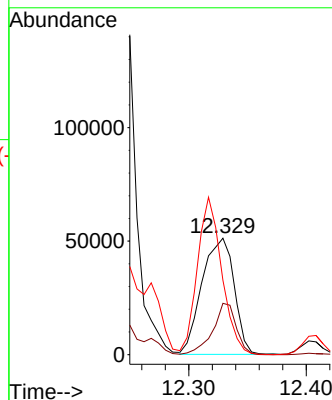
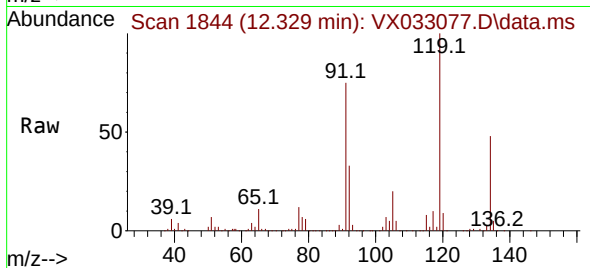
134 102.9 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/28/2022

Supervised By :Mahesh Dadoda 11/28/2022



#95

Naphthalene

Concen: 240.008 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX033077.D

Acq: 25 Nov 2022 18:46

Tgt Ion:128 Resp: 1855544

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.3 8.9 13.3

