

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032322\
 Data File : VX027661.D
 Acq On : 23 Mar 2022 12:42
 Operator : JC/MD
 Sample : N1998-19DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP031622DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/24/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 24 05:12:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	367179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	549661	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	497692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	230937	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	193957	42.88	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	85.76%		
35) Dibromofluoromethane	5.391	113	184325	52.12	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.24%		
50) Toluene-d8	8.653	98	646892	48.34	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.68%		
62) 4-Bromofluorobenzene	11.079	95	233175	47.41	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.82%		
Target Compounds					Qvalue	
16) Acetone	2.380	43	3613	1.96	ug/l #	87
19) Methyl tert-butyl Ether	3.117	73	12200	1.06	ug/l #	26
31) Cyclohexane	5.483	56	11077	1.97	ug/l	91
39) Methylcyclohexane	7.385	83	16927	2.79	ug/l #	86
40) Benzene	6.043	78	73649	5.31	ug/l	97
52) Toluene	8.720	92	173245	18.65	ug/l	99
67) Ethyl Benzene	10.195	91	969228	55.31	ug/l	97
68) m/p-Xylenes	10.305	106	796226	115.40	ug/l	99
69) o-Xylene	10.646	106	215949	32.23	ug/l	97
73) Isopropylbenzene	10.963	105	23644	1.41	ug/l	96
78) n-propylbenzene	11.305	91	102249	5.54	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	356181	25.16	ug/l	99
83) tert-Butylbenzene	11.719	119	18730	1.34	ug/l	87
84) 1,2,4-Trimethylbenzene	11.756	105	680644	48.21	ug/l	98
85) sec-Butylbenzene	11.896	105	5012m	0.30	ug/l	
95) Naphthalene	13.774	128	196303	12.27	ug/l	100

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

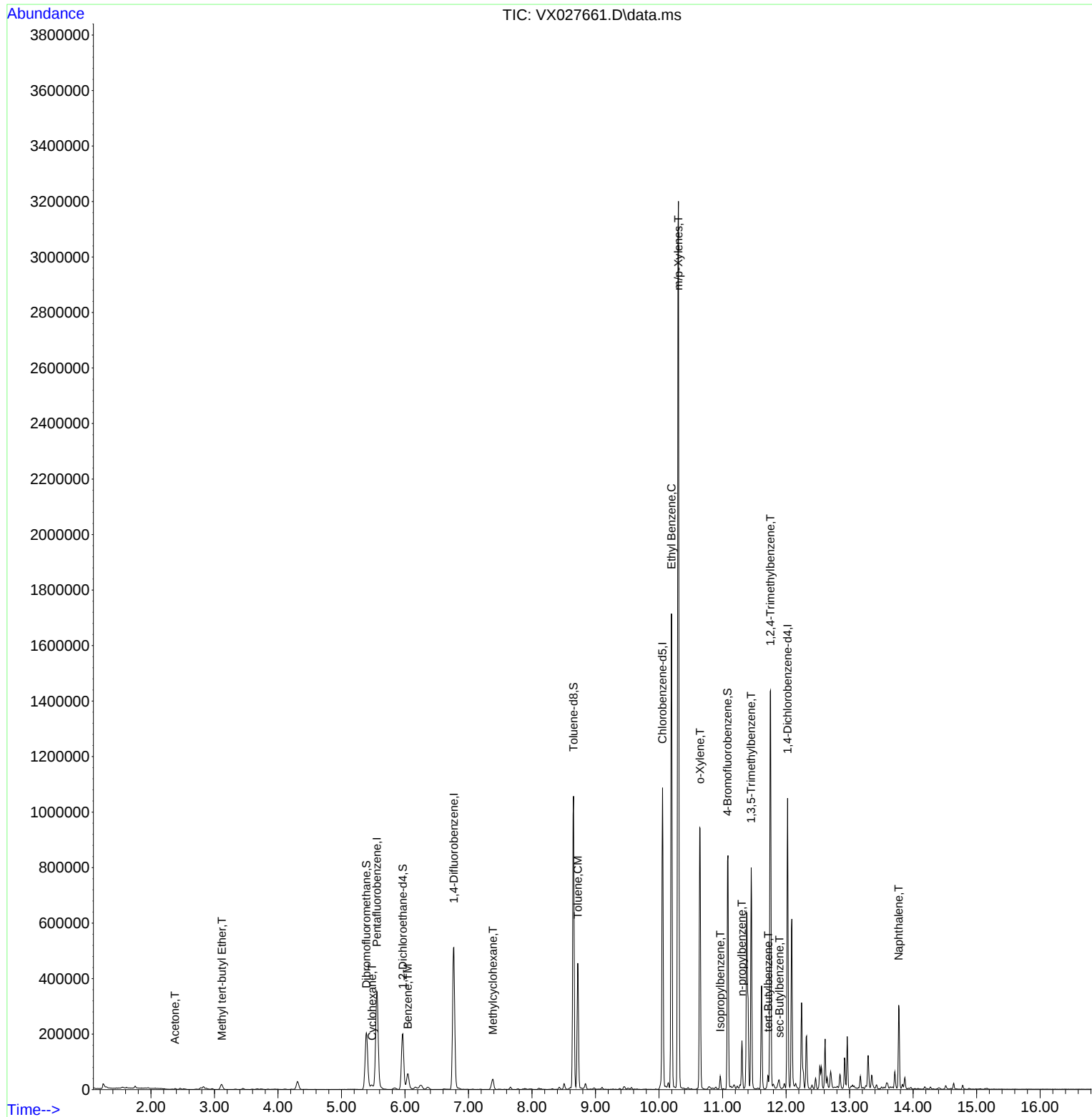
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032322\
Data File : VX027661.D
Acq On : 23 Mar 2022 12:42
Operator : JC/MD
Sample : N1998-19DL 10X
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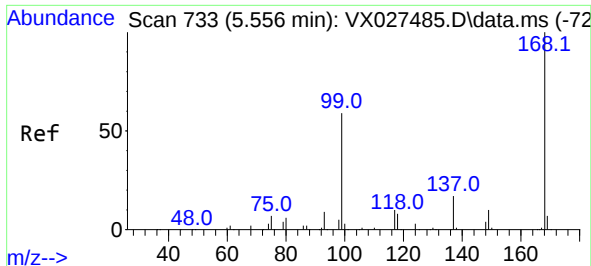
Instrument :
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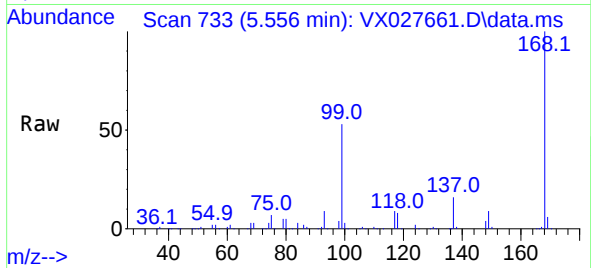
Quant Time: Mar 24 05:12:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

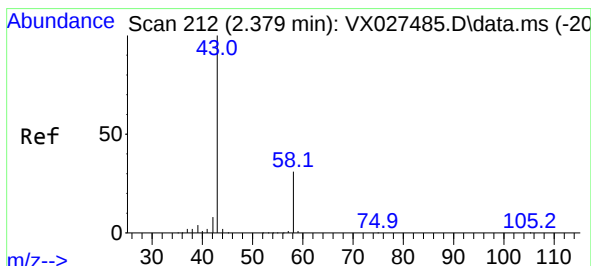
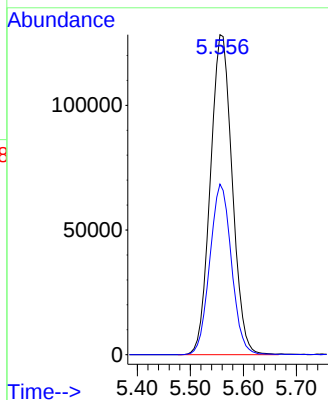
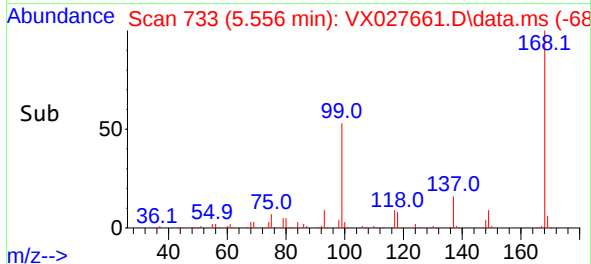
Instrument :
MSVOA_X
ClientSampleId :
DUP031622DL



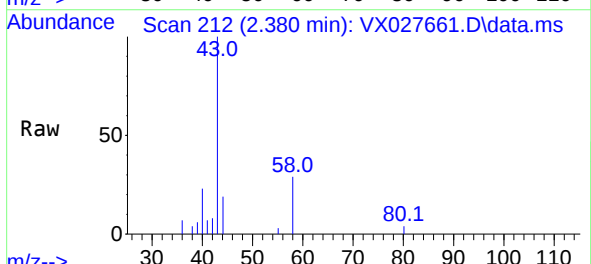
Tgt Ion:168 Resp: 367179
Ion Ratio Lower Upper
168 100
99 53.3 41.7 62.5

Manual Integrations
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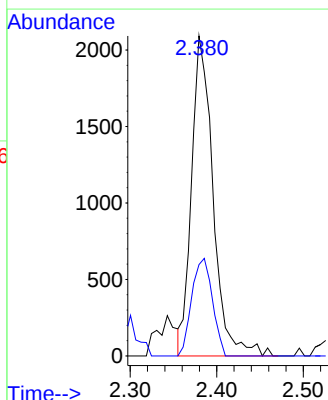
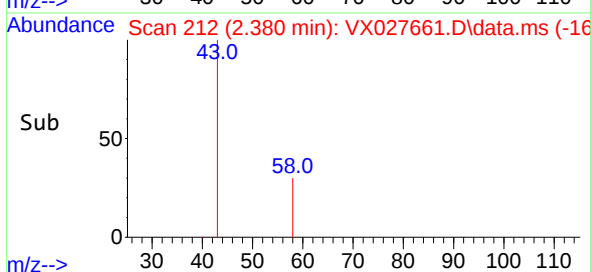
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

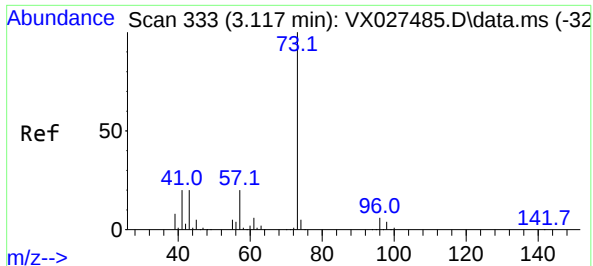


#16
Acetone
Concen: 1.96 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42



Tgt Ion: 43 Resp: 3613
Ion Ratio Lower Upper
43 100
58 28.5 28.8 43.2#





#19

Methyl tert-butyl Ether

Concen: 1.06 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX027661.D

Acq: 23 Mar 2022 12:42

Instrument :

MSVOA_X

ClientSampleId :

DUP031622DL

Tgt Ion: 73 Resp: 12200

Ion Ratio Lower Upper

73 100

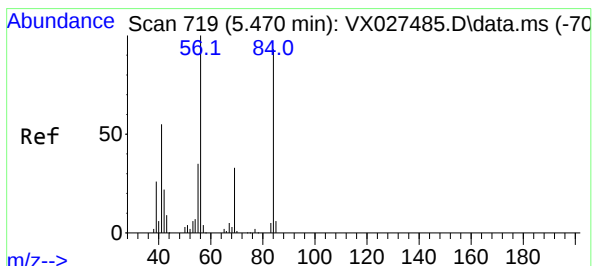
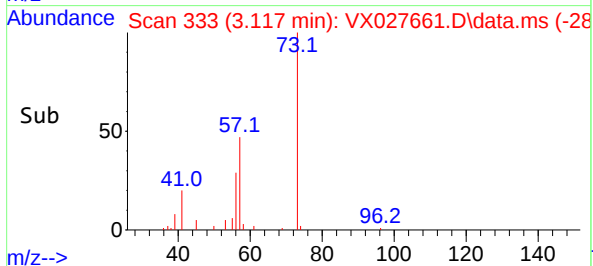
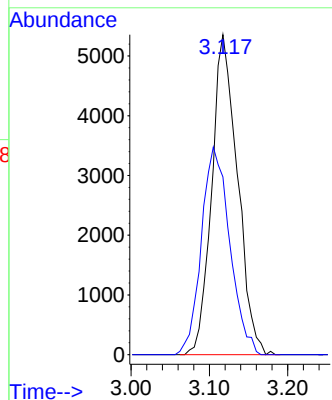
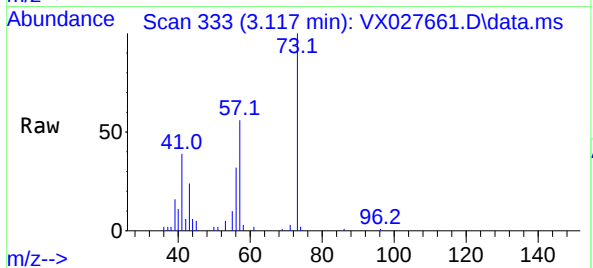
57 55.6 16.8 25.2

Manual Integrations

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#31

Cyclohexane

Concen: 1.97 ug/l

RT: 5.483 min Scan# 721

Delta R.T. 0.012 min

Lab File: VX027661.D

Acq: 23 Mar 2022 12:42

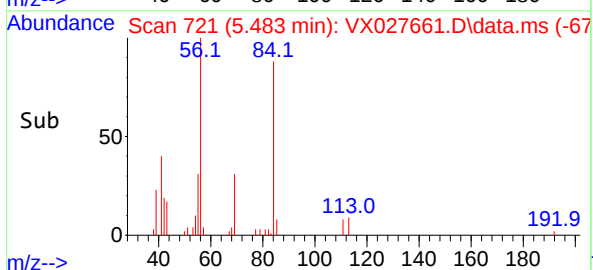
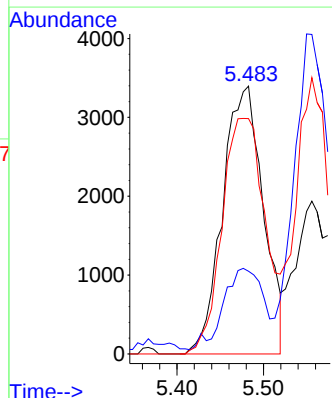
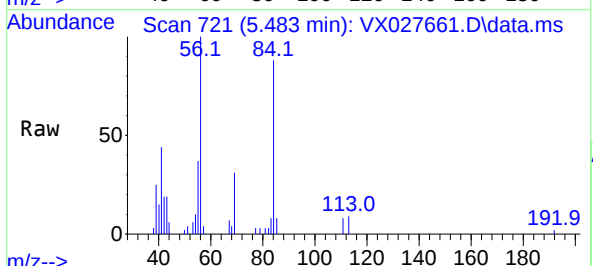
Tgt Ion: 56 Resp: 11077

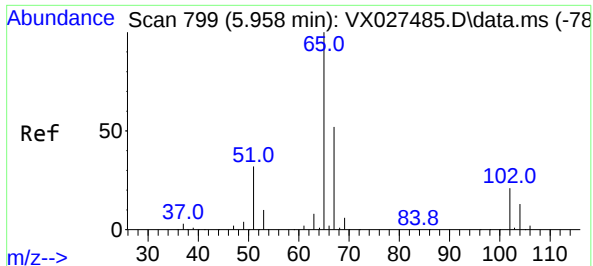
Ion Ratio Lower Upper

56 100

69 29.0 26.7 40.1

84 87.8 77.2 115.8





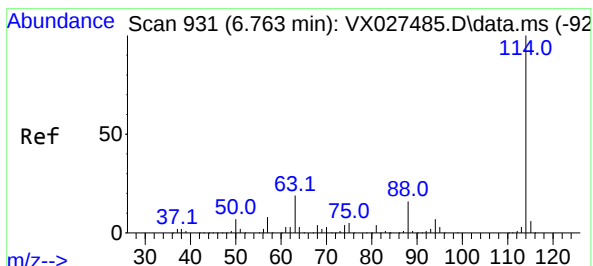
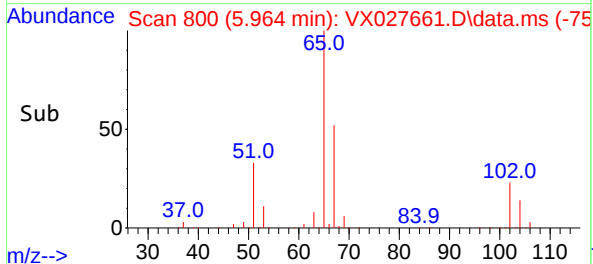
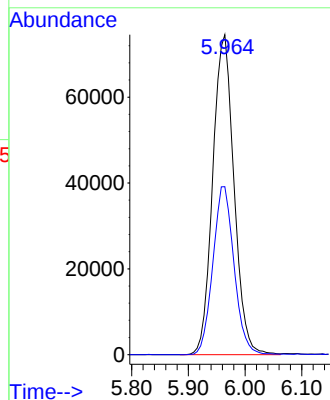
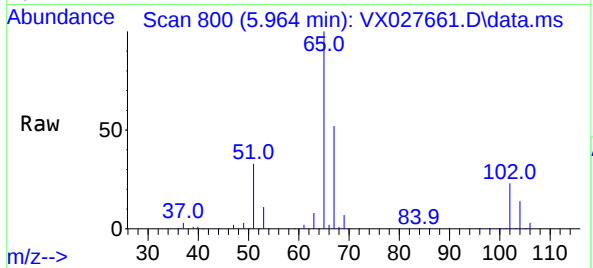
#33
1,2-Dichloroethane-d4
Concen: 42.88 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

Instrument :
MSVOA_X
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Tgt Ion: 65 Resp: 19395
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4

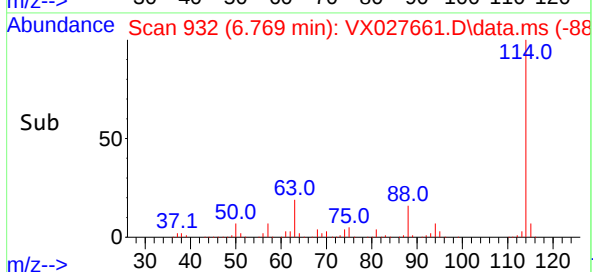
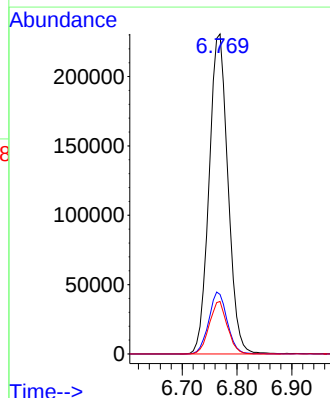
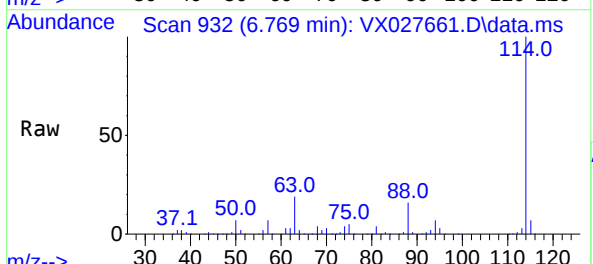
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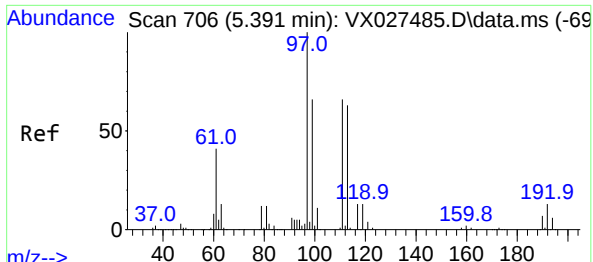
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.006 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

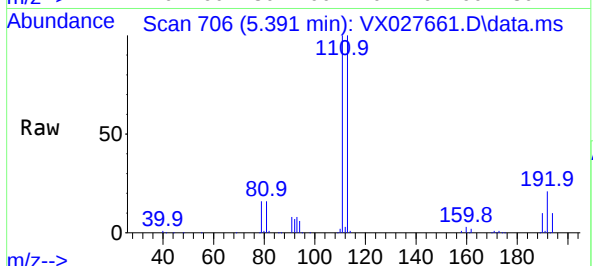
Tgt Ion:114 Resp: 549661
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.8
88 16.4 0.0 32.4





#35
Dibromofluoromethane
Concen: 52.12 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

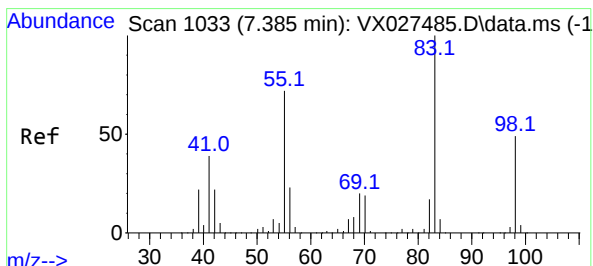
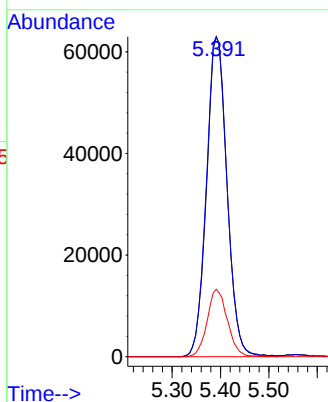
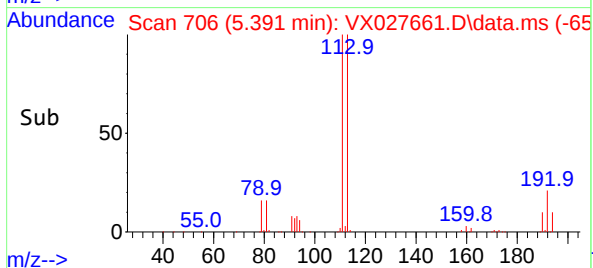
Instrument :
MSVOA_X
ClientSampleId :
DUP031622DL



Tgt Ion: 113 Resp: 184329
Ion Ratio Lower Upper
113 100
111 101.5 82.8 124.2
192 20.8 16.9 25.3

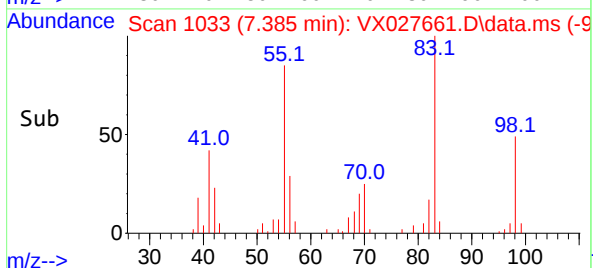
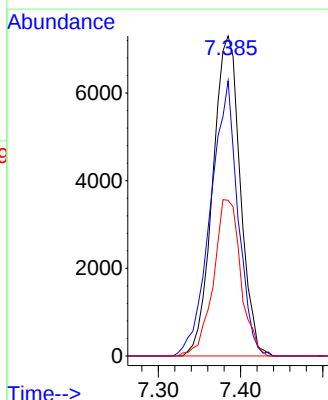
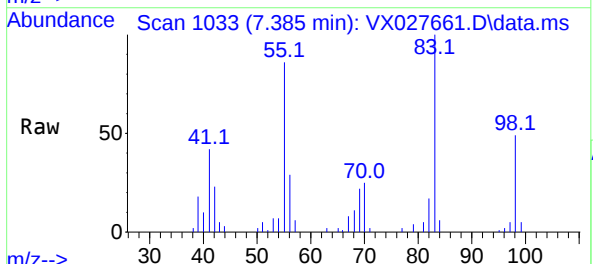
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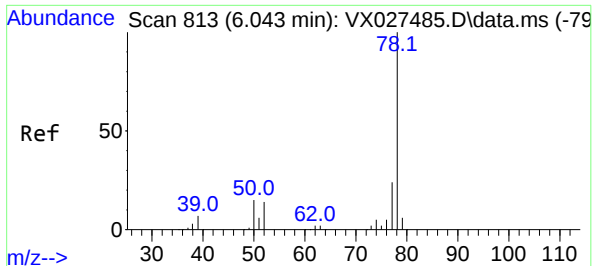
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#39
Methylcyclohexane
Concen: 2.79 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

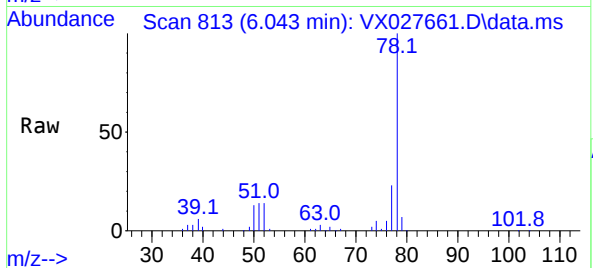
Tgt Ion: 83 Resp: 16927
Ion Ratio Lower Upper
83 100
55 86.0 54.6 81.8#
98 48.7 37.4 56.2





#40
Benzene
Concen: 5.31 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

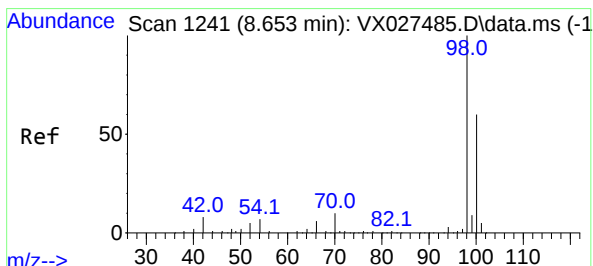
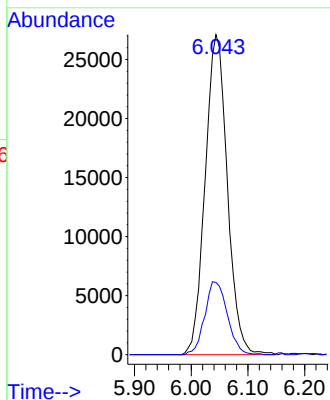
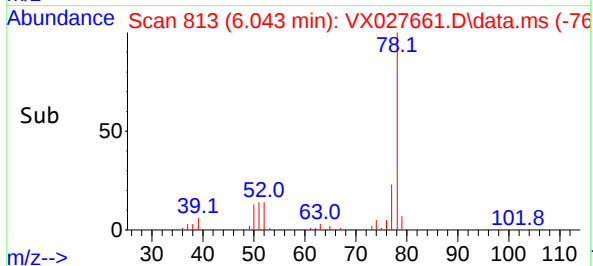
Instrument :
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DUP031622DL



Tgt Ion: 78 Resp: 73649
Ion Ratio Lower Upper
78 100
77 22.6 19.3 28.9

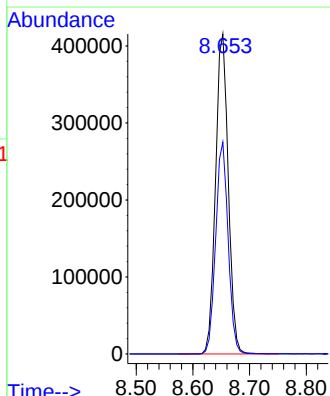
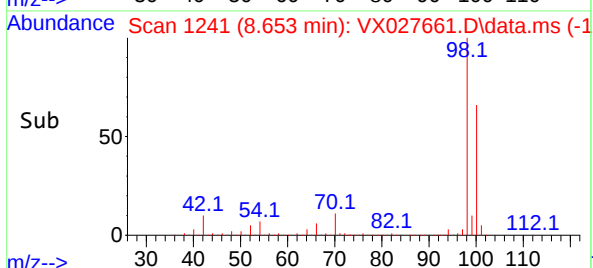
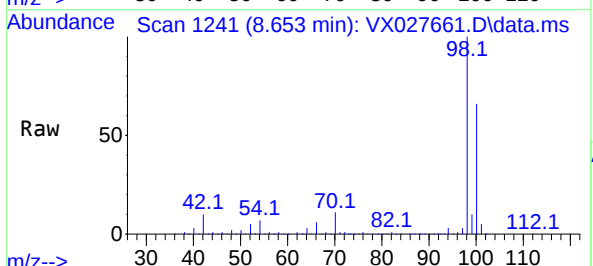
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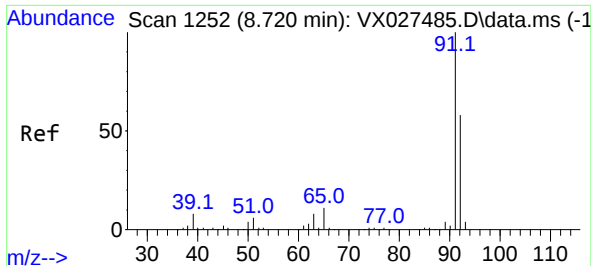
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#50
Toluene-d8
Concen: 48.34 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

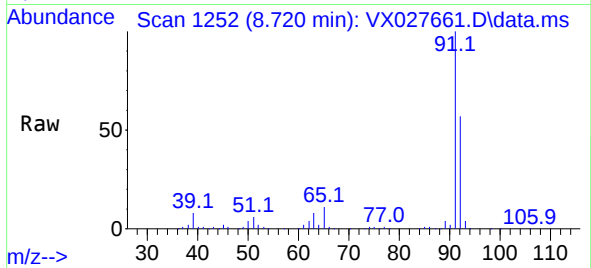
Tgt Ion: 98 Resp: 646892
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8





#52
Toluene
Concen: 18.65 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

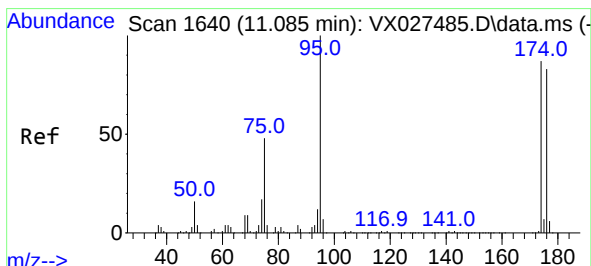
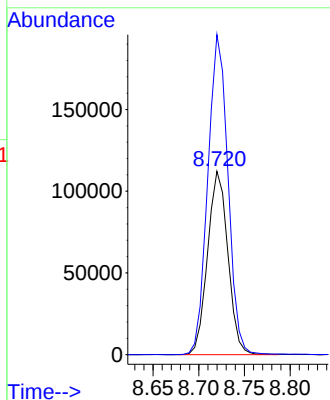
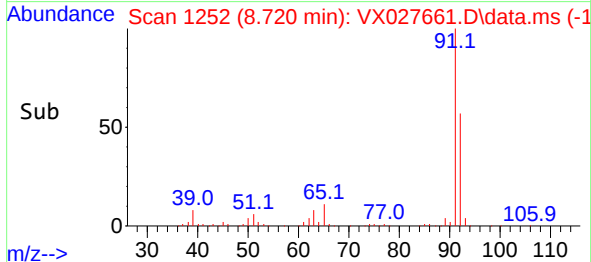
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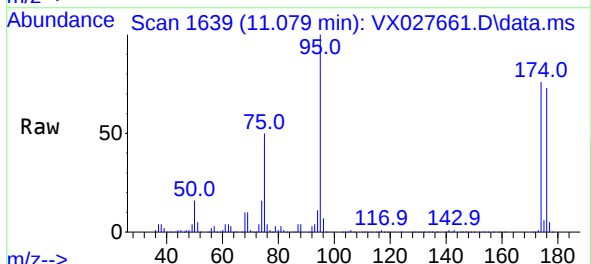
Tgt Ion: 92 Resp: 173245
Ion Ratio Lower Upper
92 100
91 173.4 137.5 206.3

Manual Integrations
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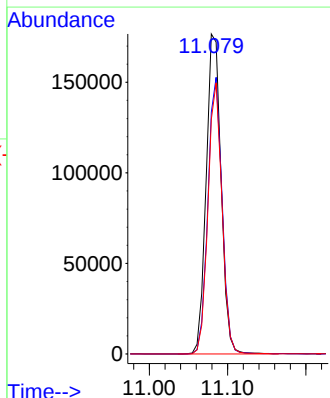
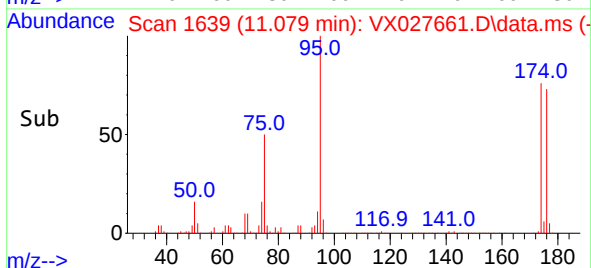
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

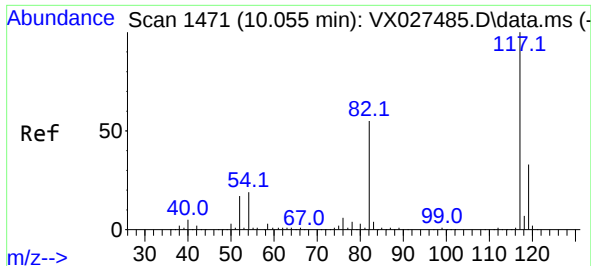


#62
4-Bromofluorobenzene
Concen: 47.41 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42



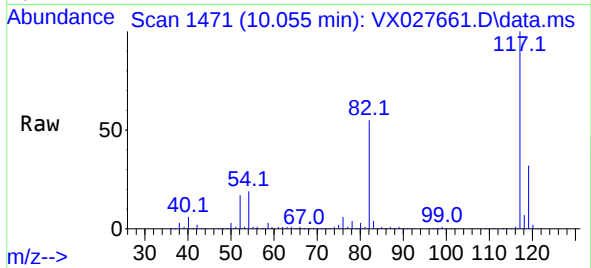
Tgt Ion: 95 Resp: 233175
Ion Ratio Lower Upper
95 100
174 82.5 0.0 163.0
176 79.8 0.0 155.0





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

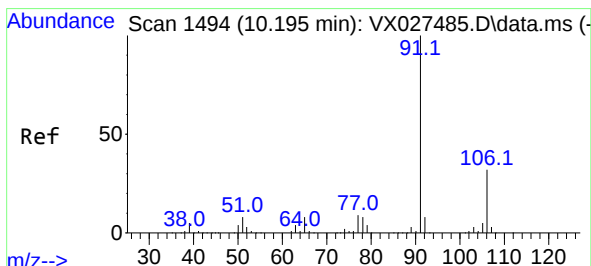
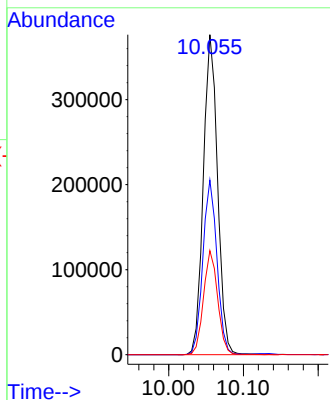
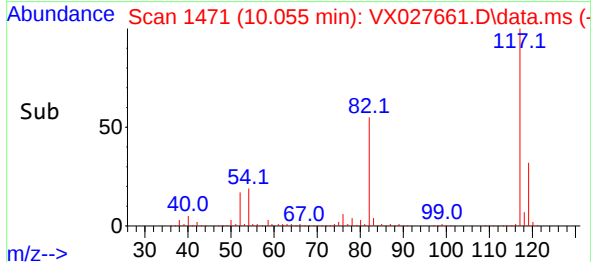
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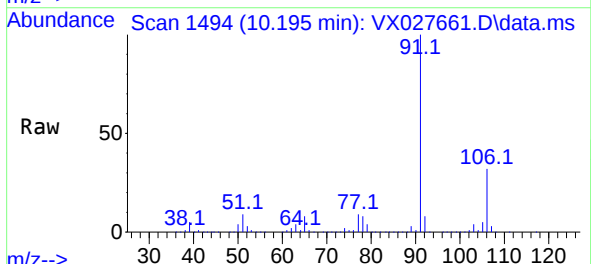
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Ion Ratio Lower Upper
117 100
82 54.5 41.8 62.8
119 32.5 24.8 37.2

Manual Integrations
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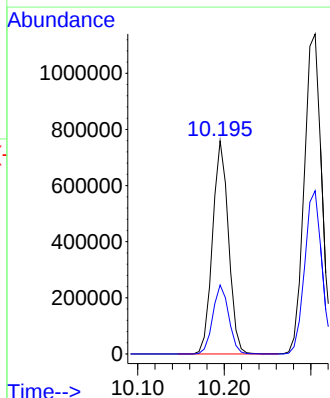
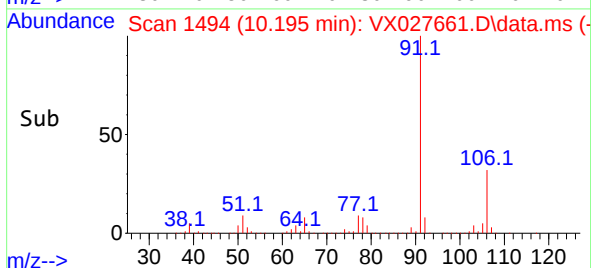
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

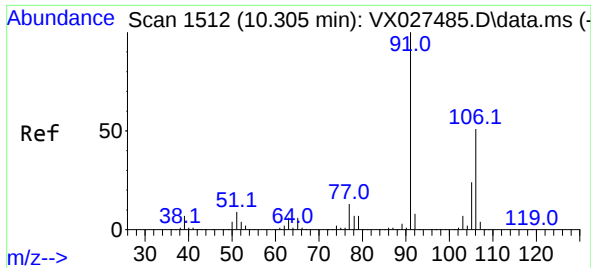


#67
Ethyl Benzene
Concen: 55.31 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42



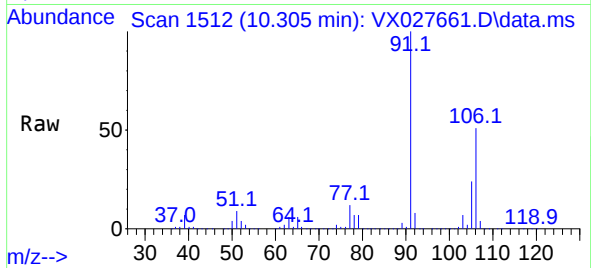
Tgt Ion: 91 Resp: 969228
Ion Ratio Lower Upper
91 100
106 32.4 24.6 36.8





#68
m/p-Xylenes
Concen: 115.40 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

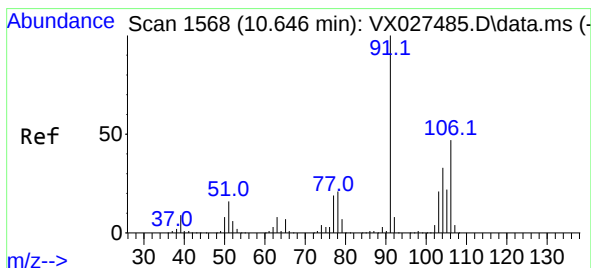
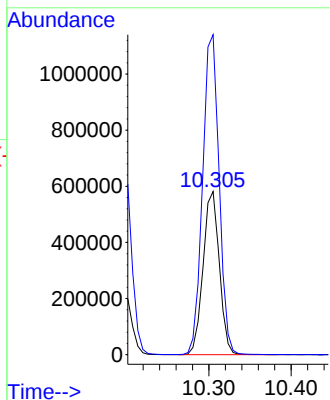
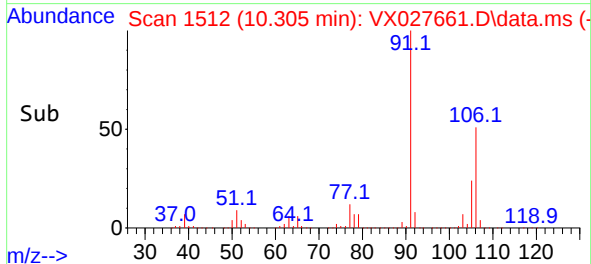
Instrument :
MSVOA_X
ClientSampleId :
DUP031622DL



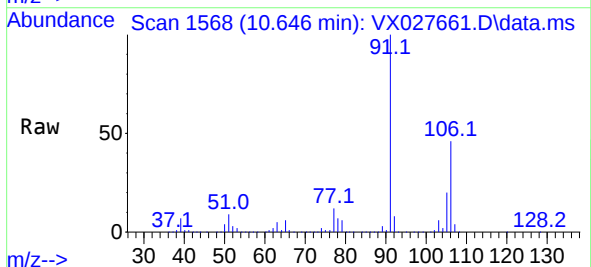
Tgt Ion:106 Resp: 796220
Ion Ratio Lower Upper
106 100
91 199.6 160.4 240.6

Manual Integrations
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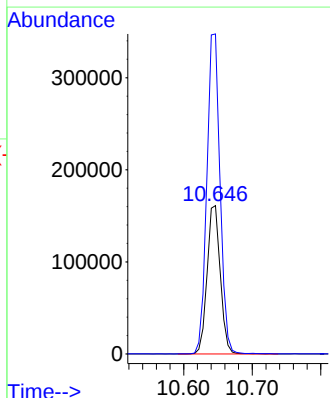
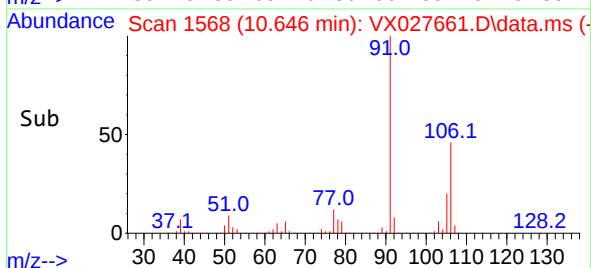
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

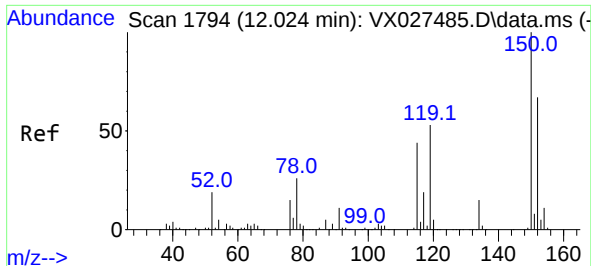


#69
o-Xylene
Concen: 32.23 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42



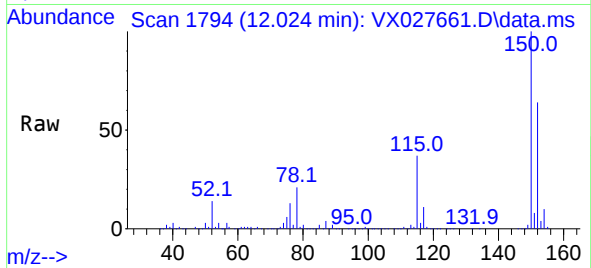
Tgt Ion:106 Resp: 215949
Ion Ratio Lower Upper
106 100
91 216.2 106.1 318.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

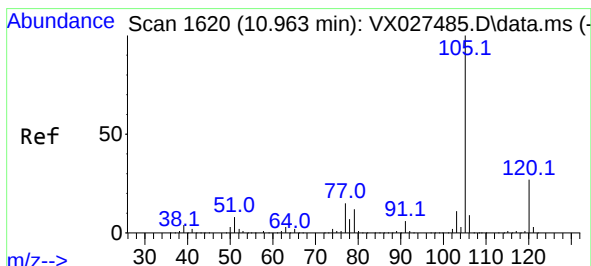
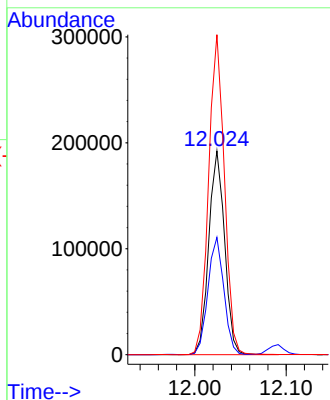
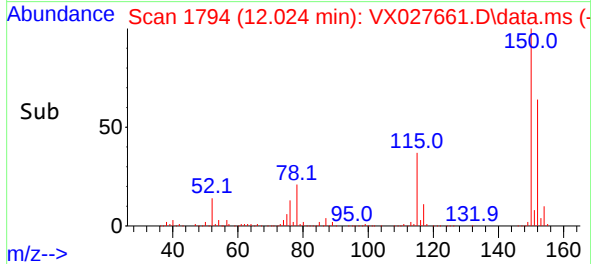
Instrument :
MSVOA_X
ClientSampleId :
DUP031622DL



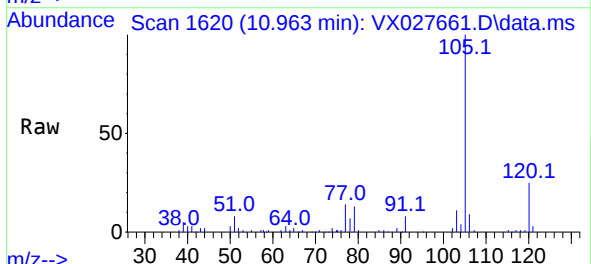
Tgt Ion:152 Resp: 23093
Ion Ratio Lower Upper
152 100
115 57.9 37.5 112.7
150 156.4 0.0 338.2

Manual Integrations
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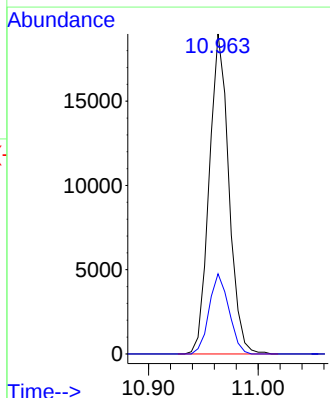
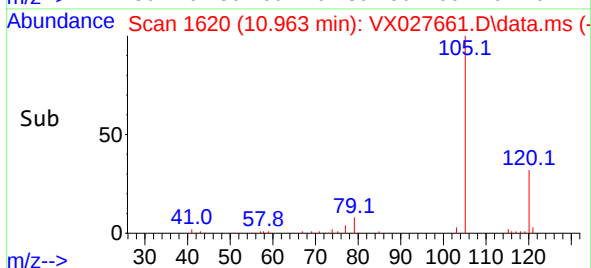
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

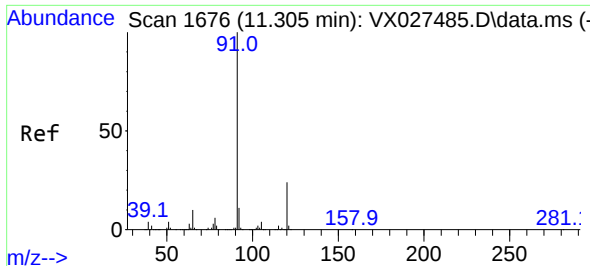


#73
Isopropylbenzene
Concen: 1.41 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42



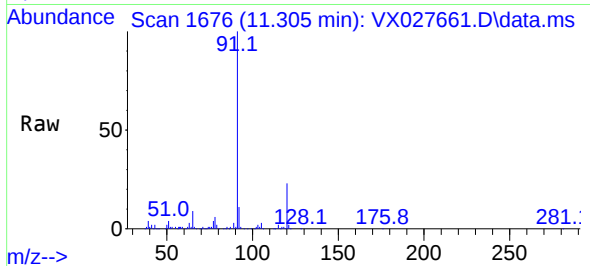
Tgt Ion:105 Resp: 23644
Ion Ratio Lower Upper
105 100
120 25.1 13.5 40.5





#78
n-propylbenzene
Concen: 5.54 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

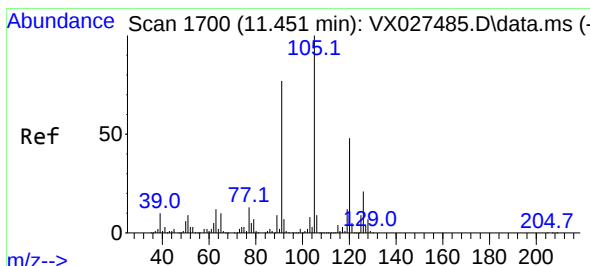
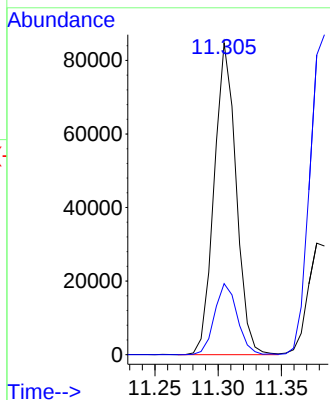
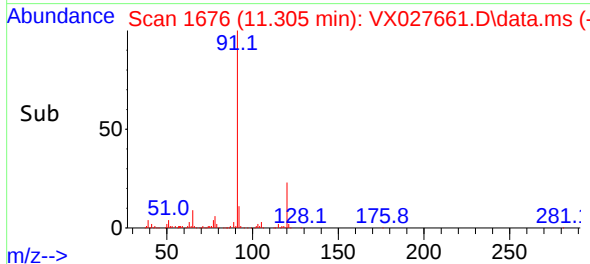
Instrument :
MSVOA_X
ClientSampleId :
DUP031622DL



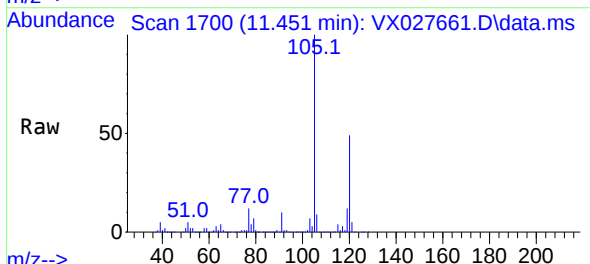
Tgt Ion: 91 Resp: 102249
Ion Ratio Lower Upper
91 100
120 23.6 11.6 34.8

Manual Integrations
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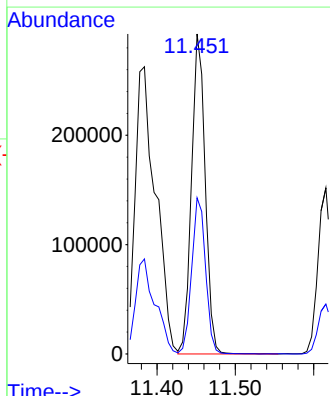
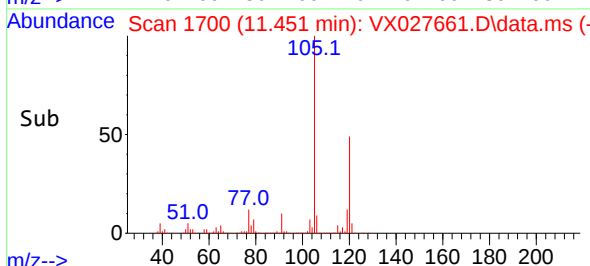
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

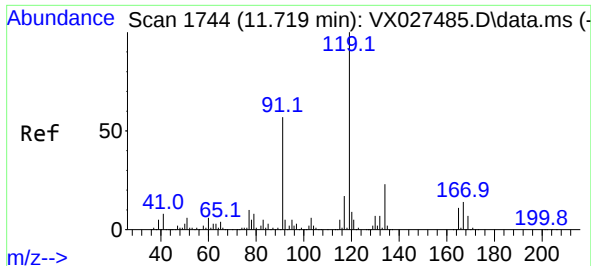


#80
1,3,5-Trimethylbenzene
Concen: 25.16 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42



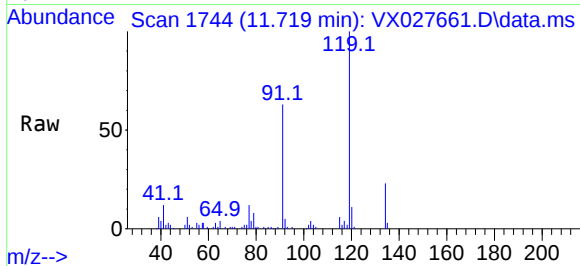
Tgt Ion:105 Resp: 356181
Ion Ratio Lower Upper
105 100
120 49.5 24.3 72.9





#83
tert-Butylbenzene
Concen: 1.34 ug/l
RT: 11.719 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42

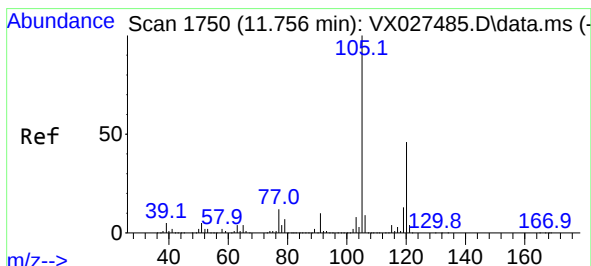
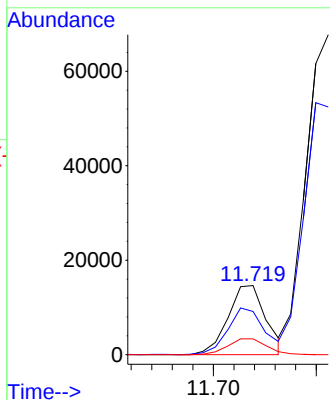
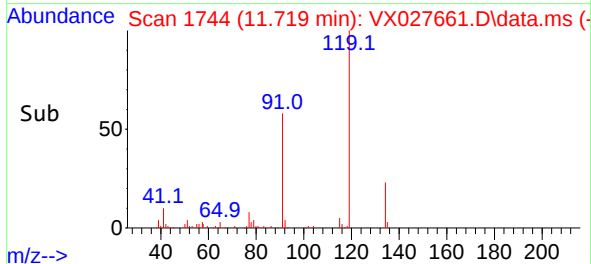
Instrument :
MSVOA_X
ClientSampleId :
DUP031622DL



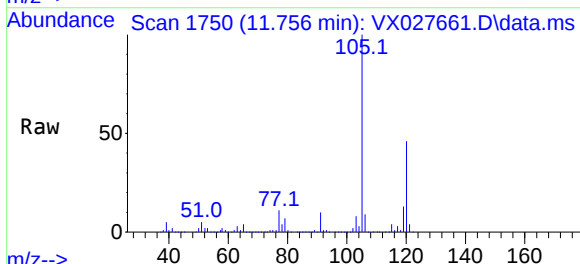
Tgt Ion:119 Resp: 18730
Ion Ratio Lower Upper
119 100
91 66.6 26.9 80.6
134 23.7 11.4 34.2

Manual Integrations
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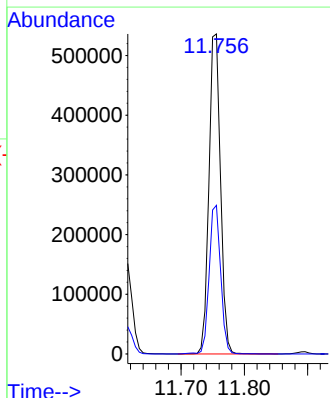
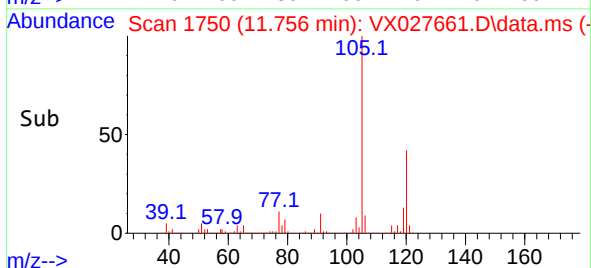
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

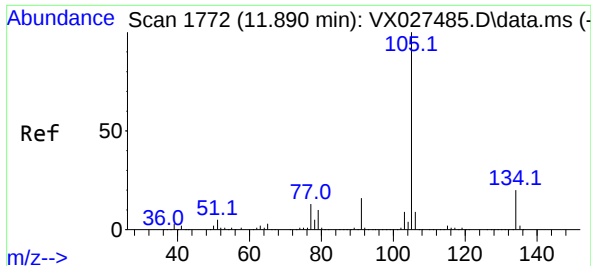


#84
1,2,4-Trimethylbenzene
Concen: 48.21 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027661.D
Acq: 23 Mar 2022 12:42



Tgt Ion:105 Resp: 680644
Ion Ratio Lower Upper
105 100
120 46.4 22.6 67.8





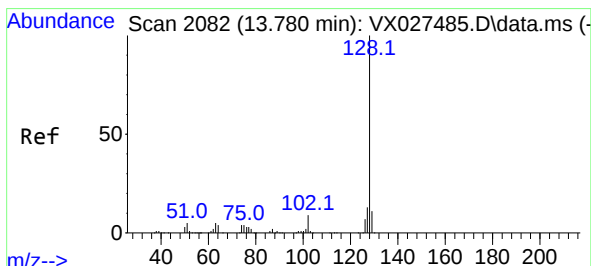
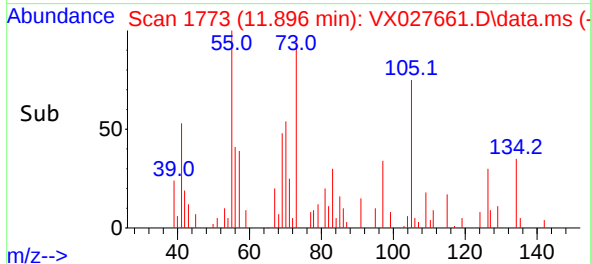
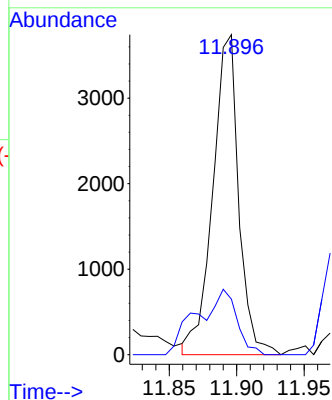
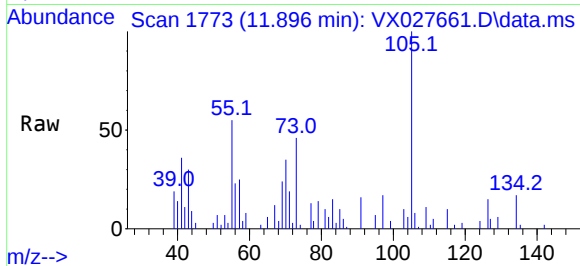
#85
 sec-Butylbenzene
 Concen: 0.30 ug/l m
 RT: 11.896 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX027661.D
 Acq: 23 Mar 2022 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP031622DL

Tgt Ion:105 Resp: 501
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/24/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#95
 Naphthalene
 Concen: 12.27 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. -0.006 min
 Lab File: VX027661.D
 Acq: 23 Mar 2022 12:42

Tgt Ion:128 Resp: 196303
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.2 15.4
 129 10.8 8.7 13.1

