

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
 Data File : VX028757.D
 Acq On : 17 May 2022 14:58
 Operator : JC/MD
 Sample : N2884-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31767

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 04:50:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	254677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	459633	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	484030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	216349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	177813	50.934	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.860%			
35) Dibromofluoromethane	5.391	113	155010	51.474	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.940%			
50) Toluene-d8	8.653	98	604923	53.280	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.560%			
62) 4-Bromofluorobenzene	11.079	95	217091	51.192	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.380%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	387332	531.799	ug/l	95
16) Acetone	2.379	43	77907	51.998	ug/l	90
17) Carbon Disulfide	2.520	76	3950	0.578	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	3269	0.349	ug/l #	76
25) 2-Butanone	4.562	43	36754	15.628	ug/l	93
31) Cyclohexane	5.476	56	4272	0.882	ug/l	86
39) Methylcyclohexane	7.379	83	4272	0.824	ug/l	94
40) Benzene	6.043	78	1235903	95.074	ug/l	99
43) Isopropyl Acetate	6.336	43	21328	2.886	ug/l #	73
51) 4-Methyl-2-Pentanone	8.573	43	79446	16.319	ug/l	93
52) Toluene	8.720	92	1313763	157.107	ug/l	97
59) 2-Hexanone	9.439	43	5568	1.472	ug/l	95
67) Ethyl Benzene	10.195	91	1230871	66.877	ug/l	99
68) m/p-Xylenes	10.299	106	586842	81.897	ug/l	97
69) o-Xylene	10.646	106	256168	36.311	ug/l	100
70) Styrene	10.658	104	482910	42.151	ug/l	98
73) Isopropylbenzene	10.963	105	38543	2.349	ug/l	99
78) n-propylbenzene	11.305	91	31754	1.673	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	76972	5.630	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	220330	16.072	ug/l	97
85) sec-Butylbenzene	11.890	105	5081m	0.311	ug/l	
86) p-Isopropyltoluene	12.012	119	10152m	0.741	ug/l	
88) 1,4-Dichlorobenzene	12.042	146	4074	0.516	ug/l #	65
95) Naphthalene	13.780	128	2315529	150.616	ug/l	99

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

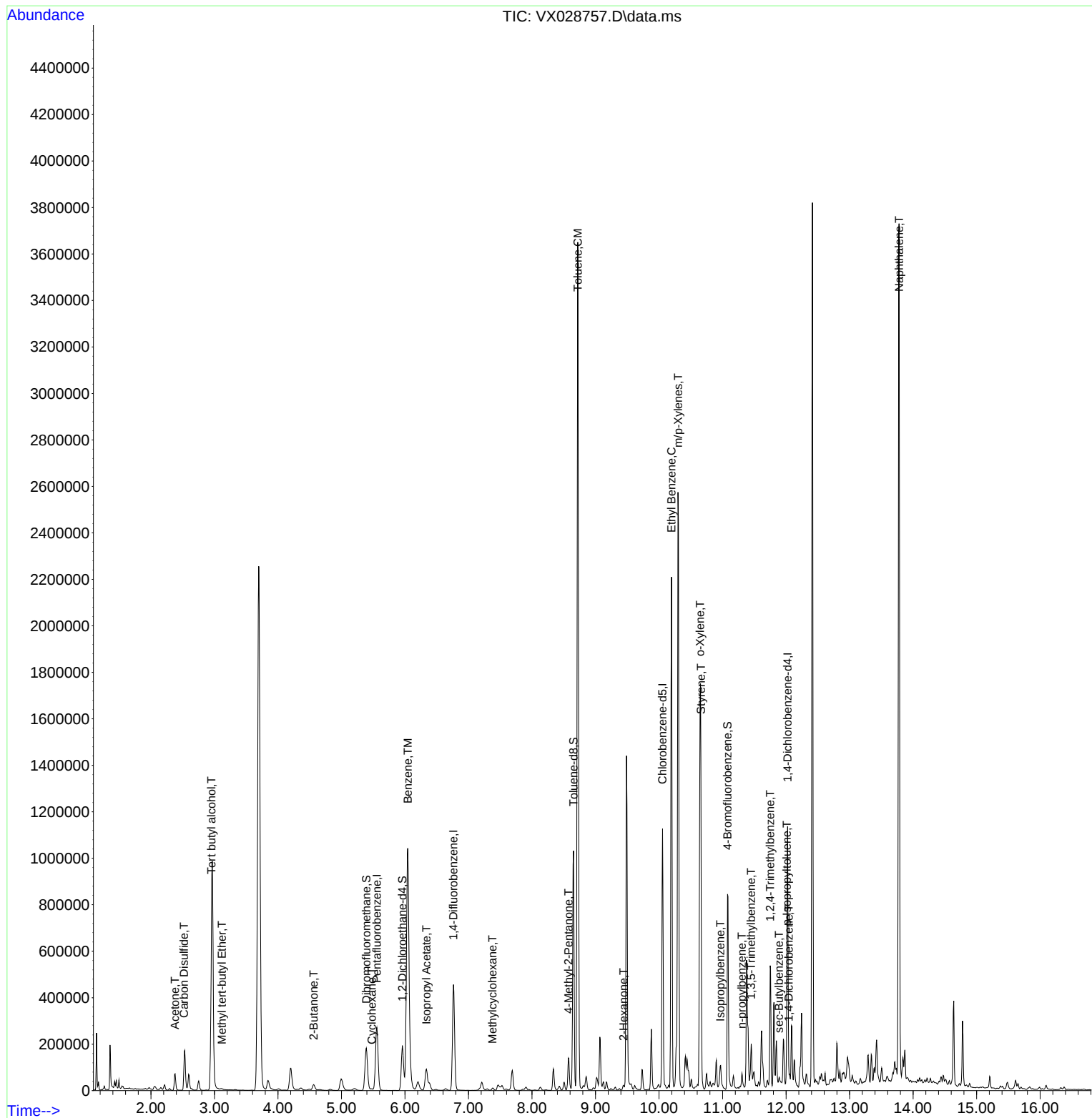
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
Data File : VX028757.D
Acq On : 17 May 2022 14:58
Operator : JC/MD
Sample : N2884-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

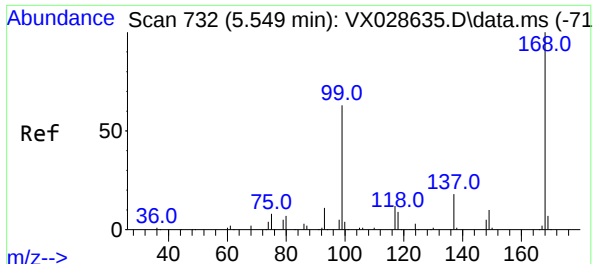
Instrument :
MSVOA_X
ClientSampleId :
31767

Quant Time: May 18 04:50:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

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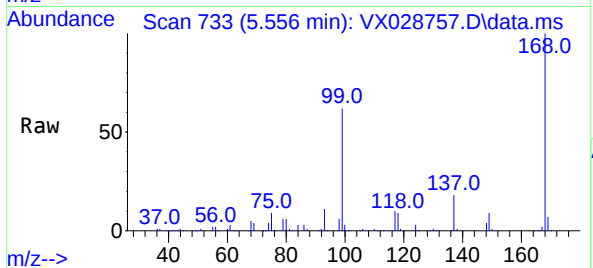
Reviewed By : John Carlone 05/18/2022
Supervised By : Mahesh Dadoda 05/18/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

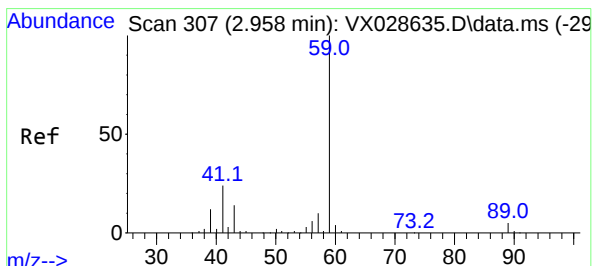
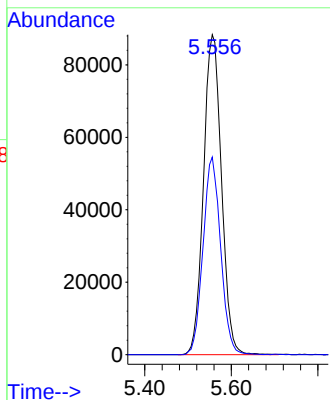
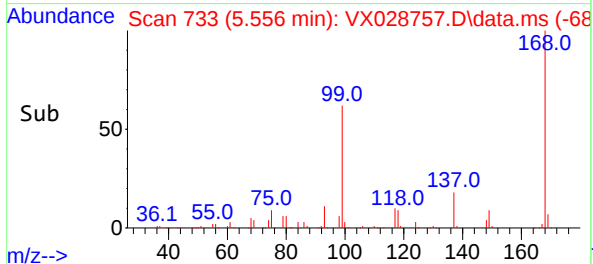
Instrument :
MSVOA_X
ClientSampleId :
31767



Tgt Ion:168 Resp: 25467
Ion Ratio Lower Upper
168 100
99 61.8 41.7 62.5

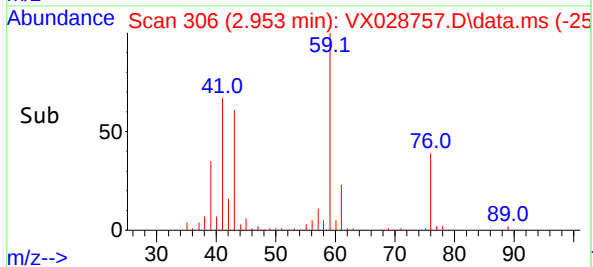
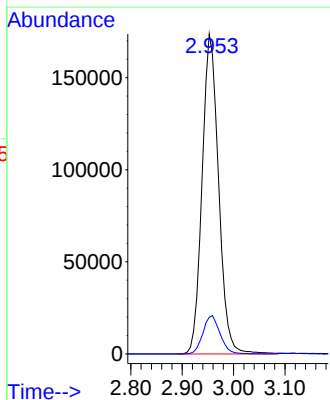
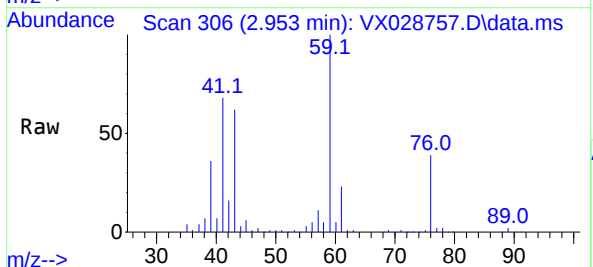
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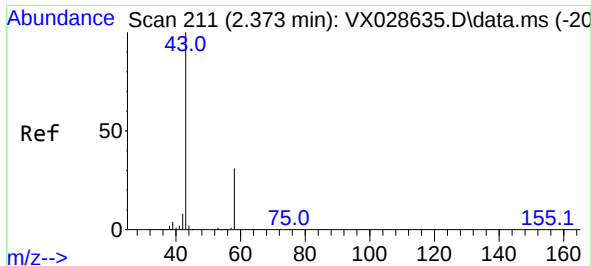
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#11
Tert butyl alcohol
Concen: 531.799 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

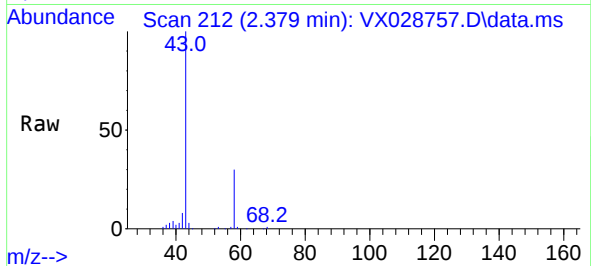
Tgt Ion: 59 Resp: 387332
Ion Ratio Lower Upper
59 100
57 12.4 8.3 12.5





#16
Acetone
Concen: 51.998 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

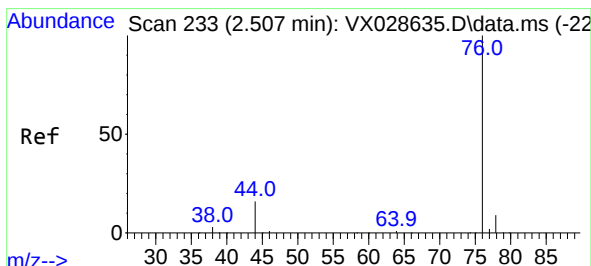
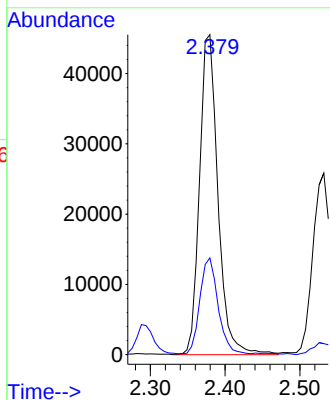
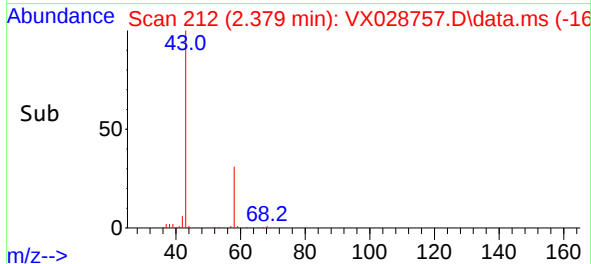
Instrument :
MSVOA_X
ClientSampleId :
31767



Tgt Ion: 43 Resp: 7790
Ion Ratio Lower Upper
43 100
58 30.0 28.8 43.2

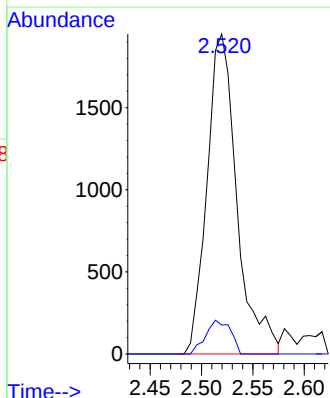
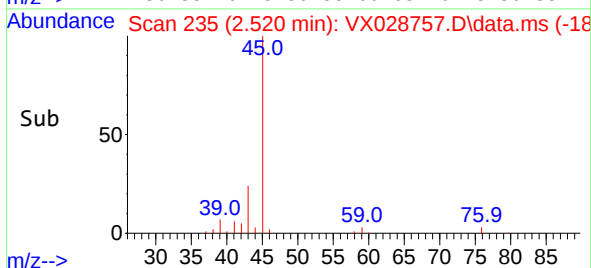
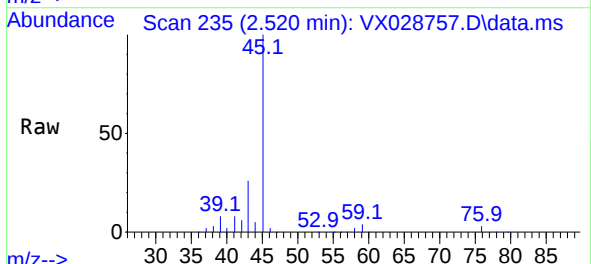
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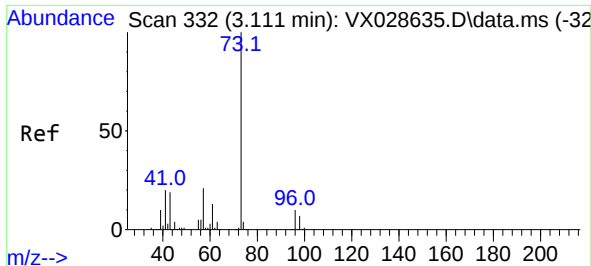
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#17
Carbon Disulfide
Concen: 0.578 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.013 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

Tgt Ion: 76 Resp: 3950
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8





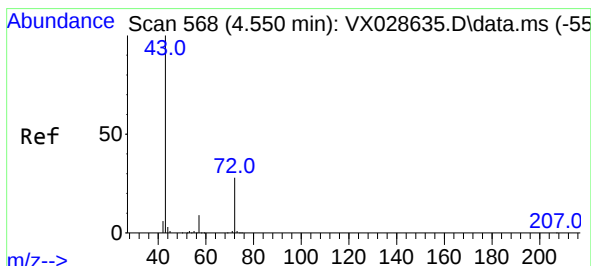
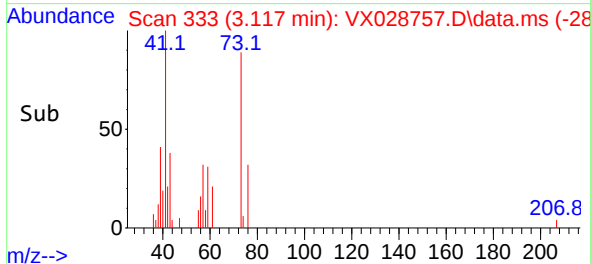
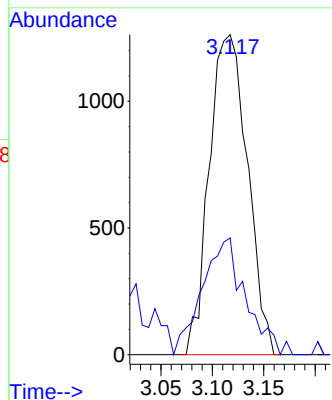
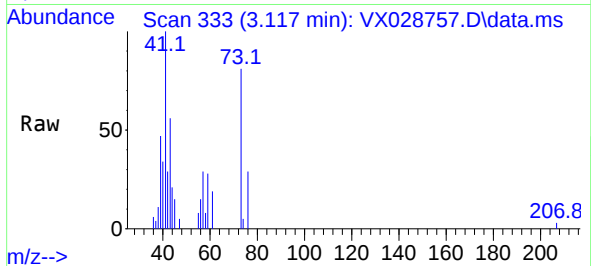
#19
Methyl tert-butyl Ether
Concen: 0.349 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

Instrument :
MSVOA_X
ClientSampleId :
31767

Tgt Ion: 73 Resp: 3269
Ion Ratio Lower Upper
73 100
57 32.5 16.8 25.2

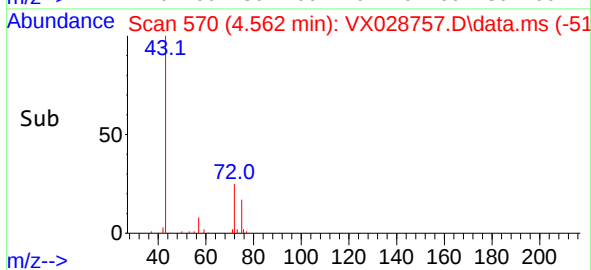
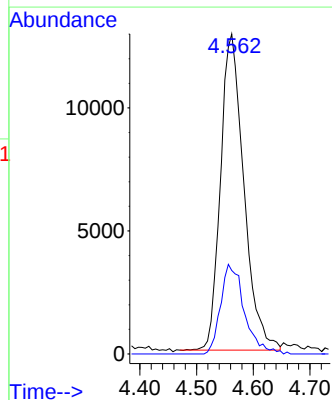
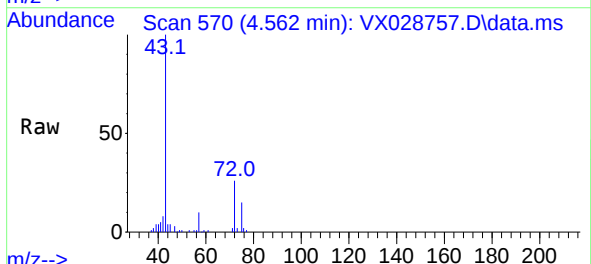
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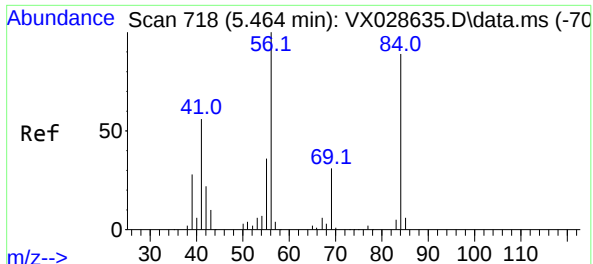
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#25
2-Butanone
Concen: 15.628 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.012 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

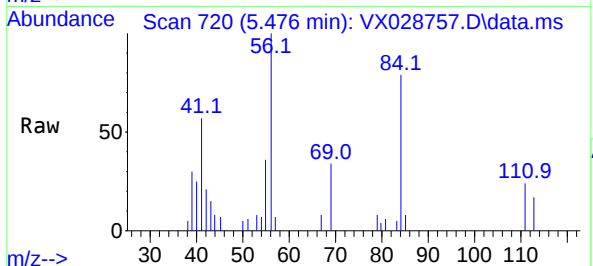
Tgt Ion: 43 Resp: 36754
Ion Ratio Lower Upper
43 100
72 26.4 24.4 36.6





#31
Cyclohexane
Concen: 0.882 ug/l
RT: 5.476 min Scan# 718
Delta R.T. 0.012 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

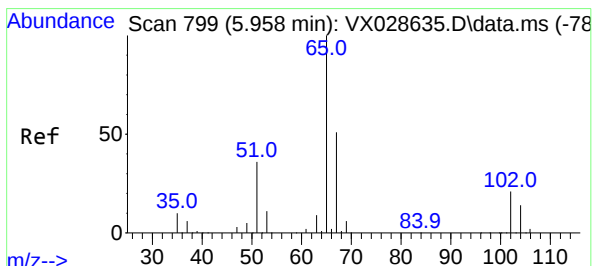
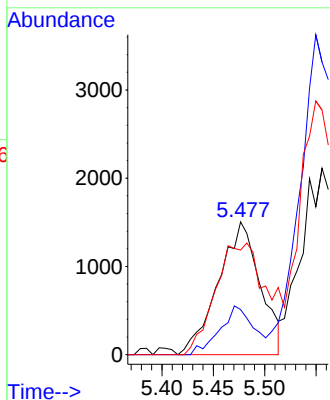
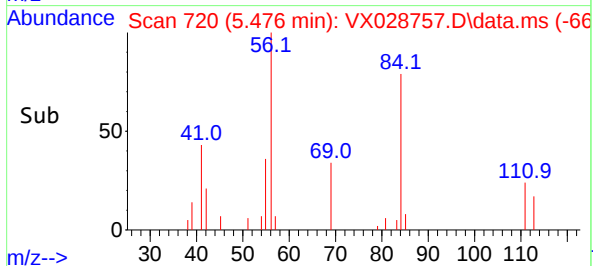
Instrument :
MSVOA_X
ClientSampleId :
31767



Tgt Ion: 56 Resp: 4272
Ion Ratio Lower Upper
56 100
69 33.9 26.7 40.1
84 78.8 77.2 115.8

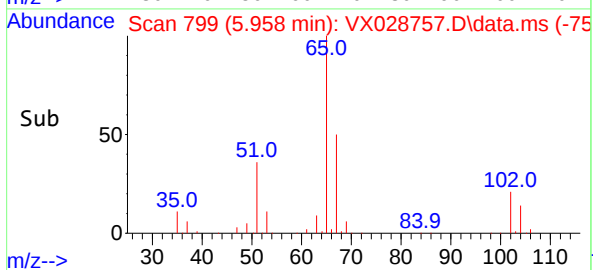
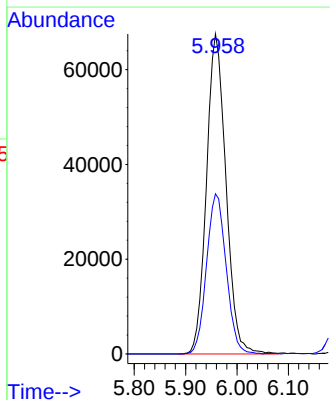
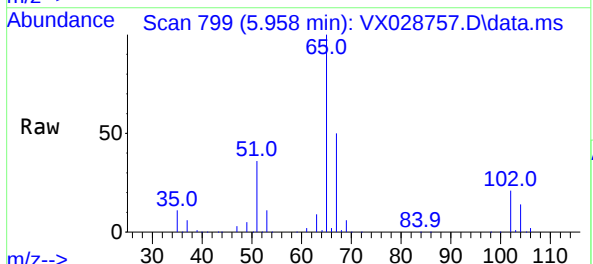
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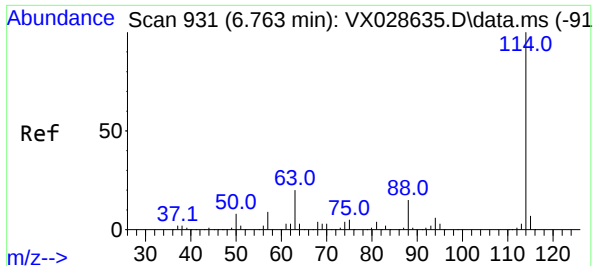
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#33
1,2-Dichloroethane-d4
Concen: 50.934 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

Tgt Ion: 65 Resp: 177813
Ion Ratio Lower Upper
65 100
67 50.4 0.0 107.4





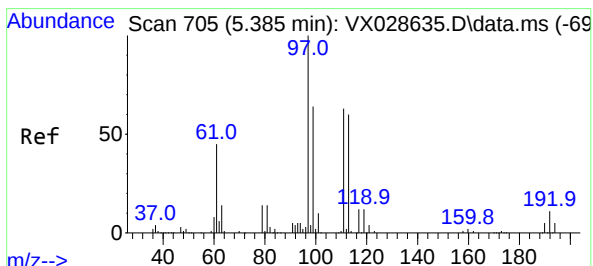
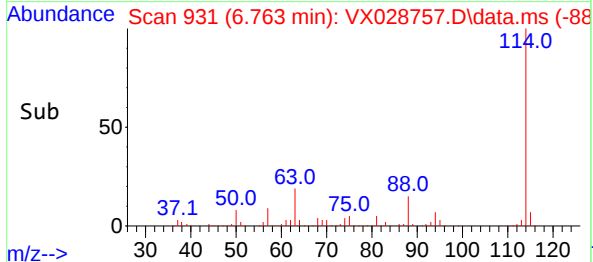
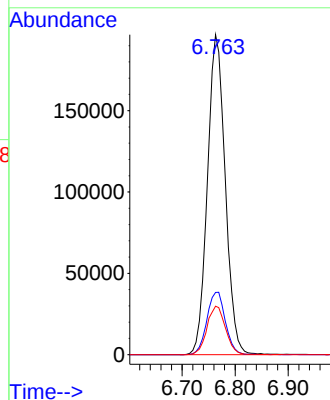
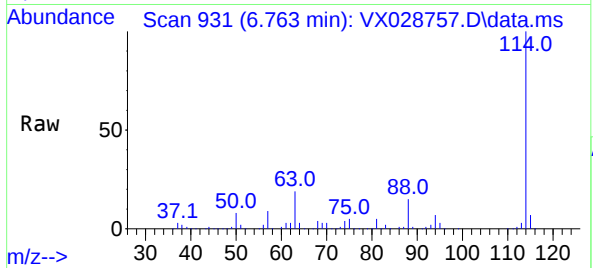
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

Instrument :
MSVOA_X
ClientSampleId :
31767

Tgt Ion:114 Resp: 45963
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.8
88 15.1 0.0 32.4

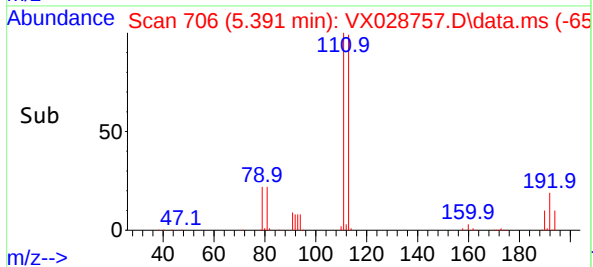
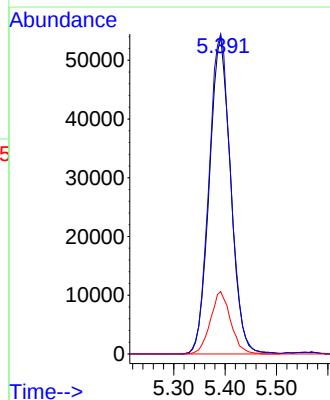
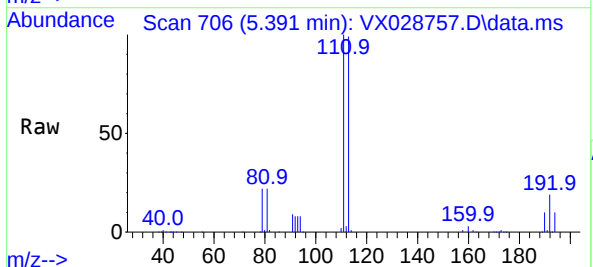
Manual Integrations
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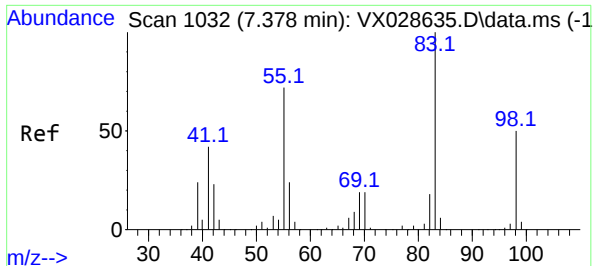
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#35
Dibromofluoromethane
Concen: 51.474 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

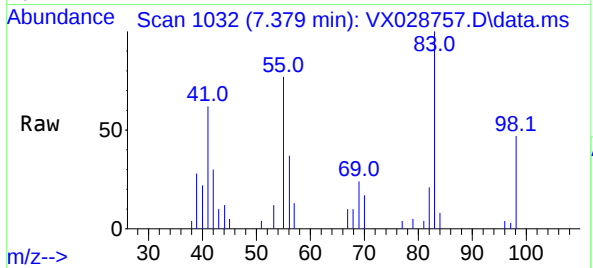
Tgt Ion:113 Resp: 155010
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 18.7 16.9 25.3





#39
Methylcyclohexane
Concen: 0.824 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.001 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

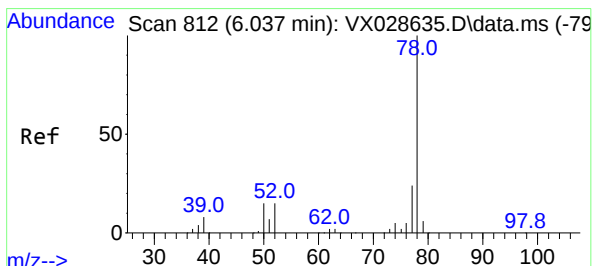
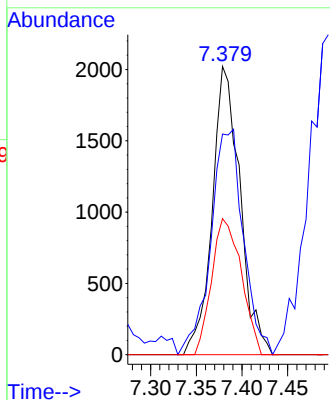
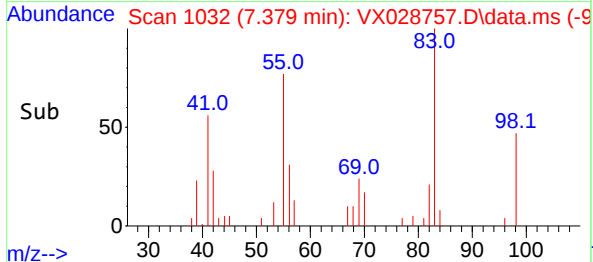
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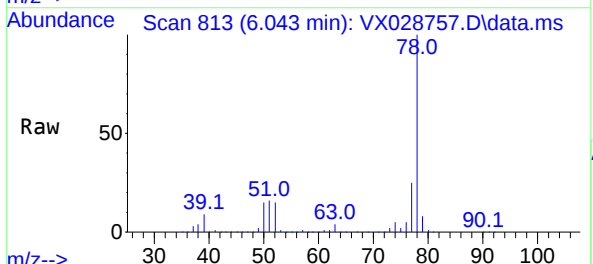
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Ion Ratio Lower Upper
83 100
55 76.5 54.6 81.8
98 47.2 37.4 56.2

Manual Integrations
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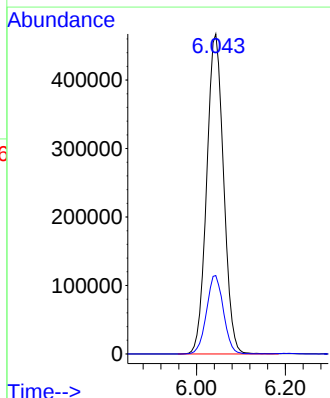
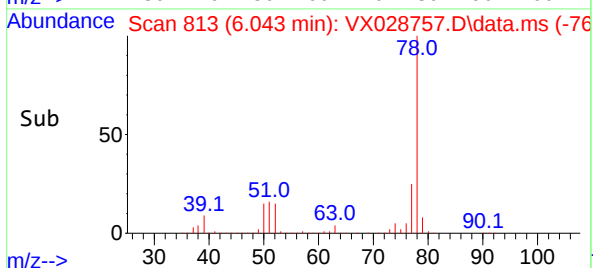
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

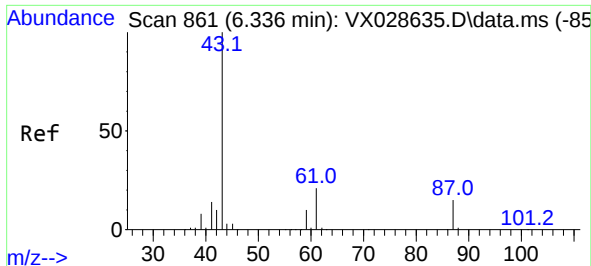


#40
Benzene
Concen: 95.074 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58



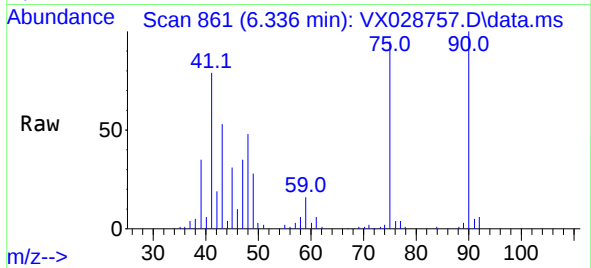
Tgt Ion: 78 Resp: 1235903
Ion Ratio Lower Upper
78 100
77 24.5 19.3 28.9





#43
Isopropyl Acetate
Concen: 2.886 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

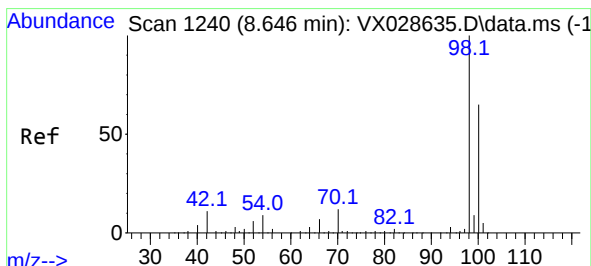
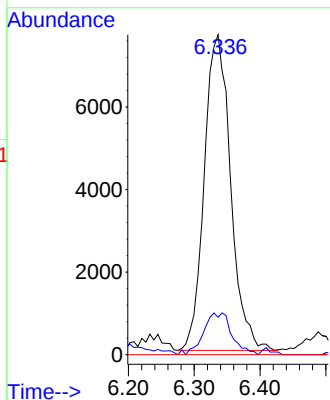
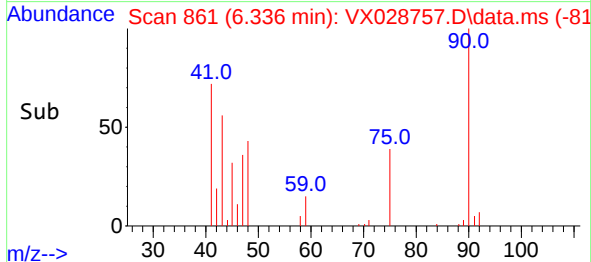
Instrument :
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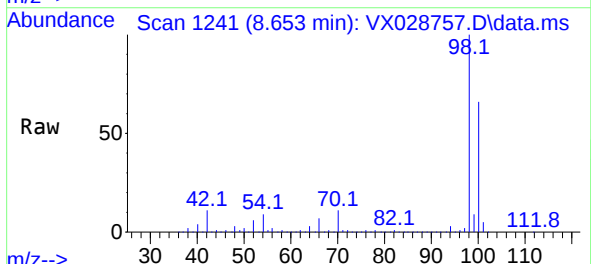
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Ion Ratio Lower Upper
43 100
61 14.1 18.5 27.7
87 0.0 13.0 19.6

Manual Integrations
APPROVED

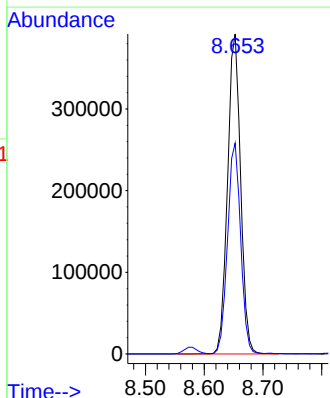
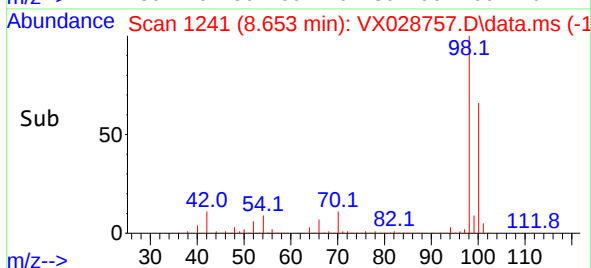
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

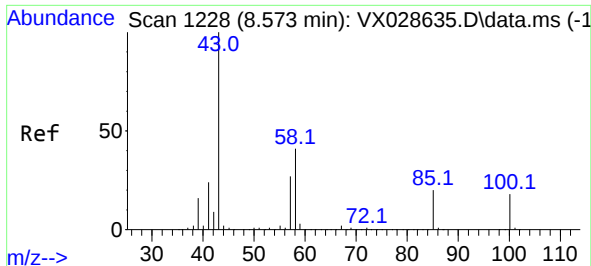


#50
Toluene-d8
Concen: 53.280 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58



Tgt Ion: 98 Resp: 604923
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.319 ug/l

RT: 8.573 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028757.D

Acq: 17 May 2022 14:58

Instrument :

MSVOA_X

ClientSampleId :

31767

Tgt Ion: 43 Resp: 7944

Ion Ratio Lower Upper

43 100

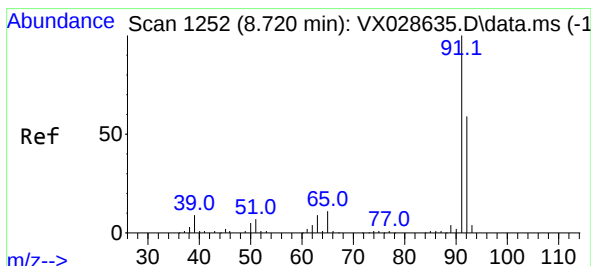
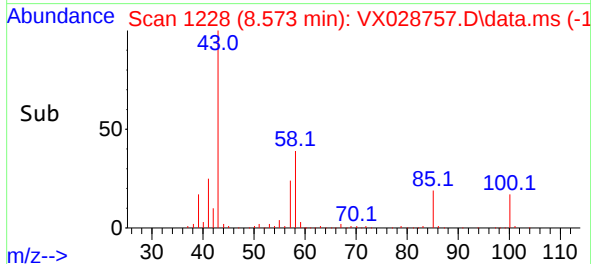
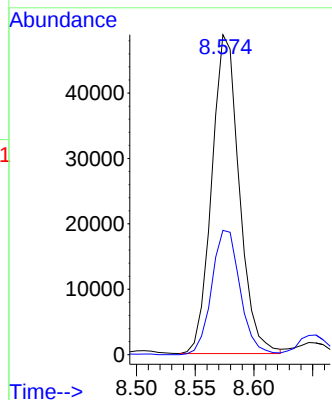
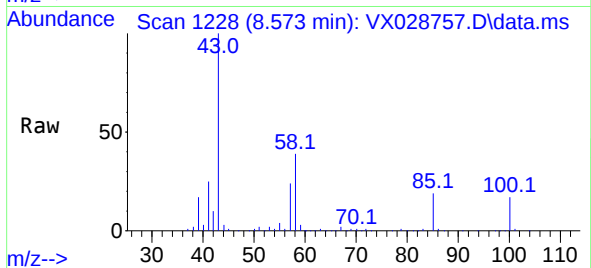
58 40.4 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2022

Supervised By :Mahesh Dadoda 05/18/2022



#52

Toluene

Concen: 157.107 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX028757.D

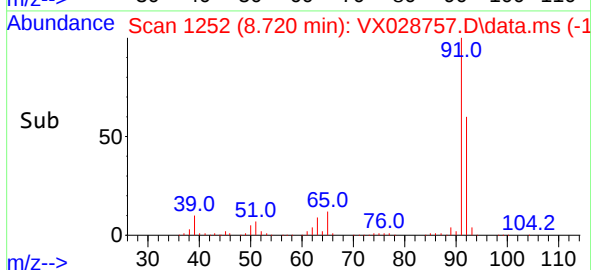
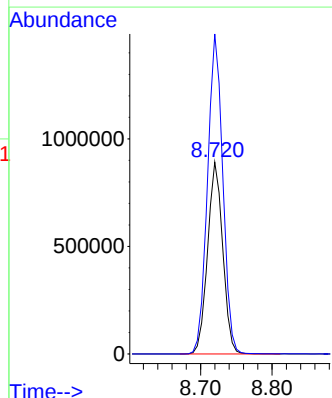
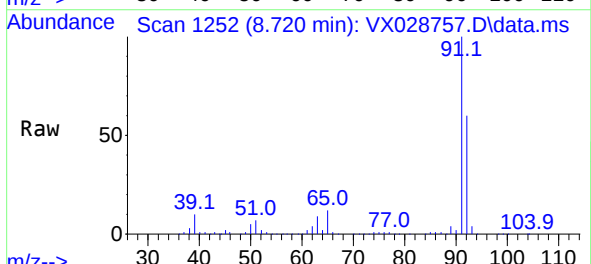
Acq: 17 May 2022 14:58

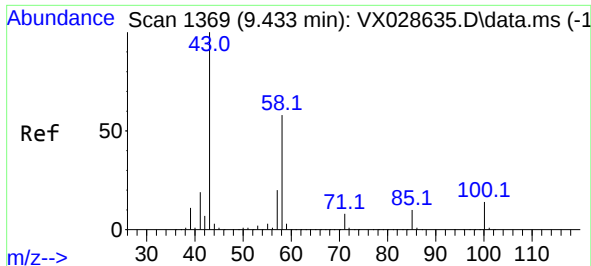
Tgt Ion: 92 Resp: 1313763

Ion Ratio Lower Upper

92 100

91 167.9 137.5 206.3





#59

2-Hexanone

Concen: 1.472 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028757.D

Acq: 17 May 2022 14:58

Instrument :

MSVOA_X

ClientSampleId :

31767

Tgt Ion: 43 Resp: 556

Ion Ratio Lower Upper

43 100

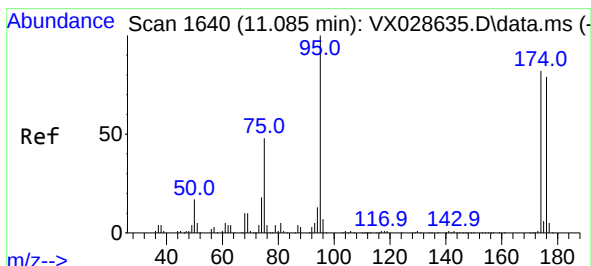
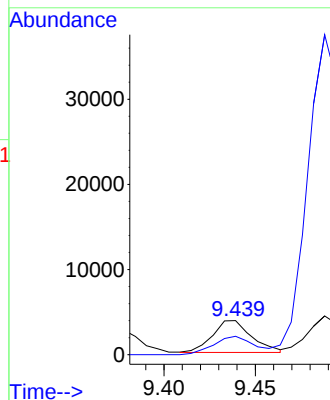
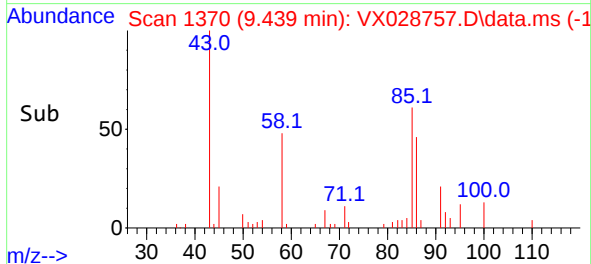
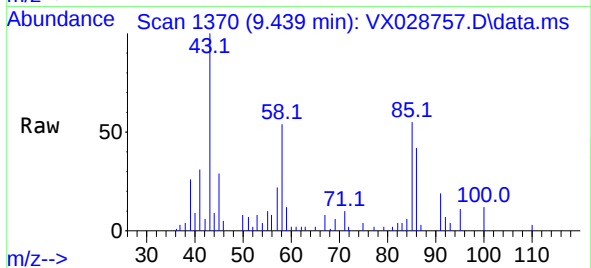
58 60.3 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2022

Supervised By :Mahesh Dadoda 05/18/2022



#62

4-Bromofluorobenzene

Concen: 51.192 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028757.D

Acq: 17 May 2022 14:58

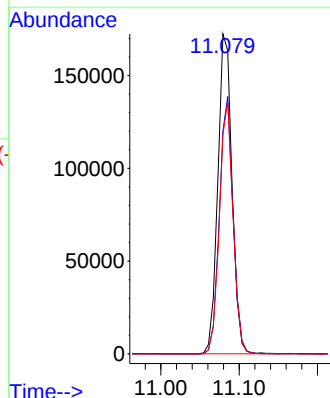
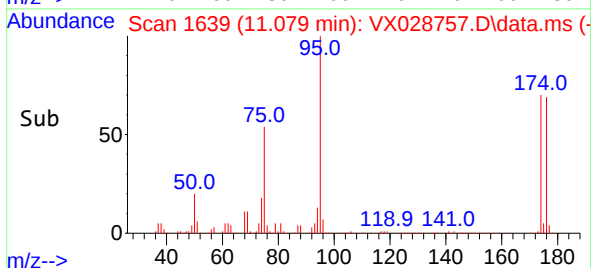
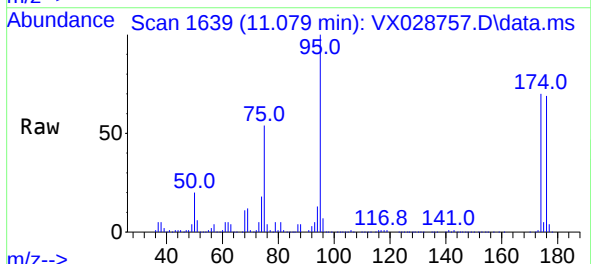
Tgt Ion: 95 Resp: 217091

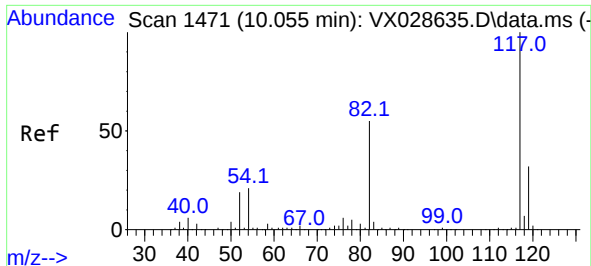
Ion Ratio Lower Upper

95 100

174 77.7 0.0 163.0

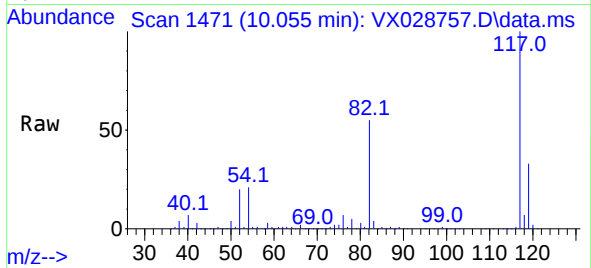
176 75.8 0.0 155.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

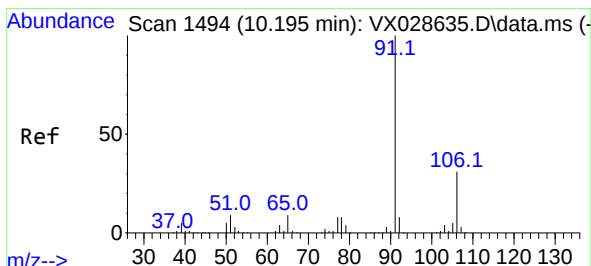
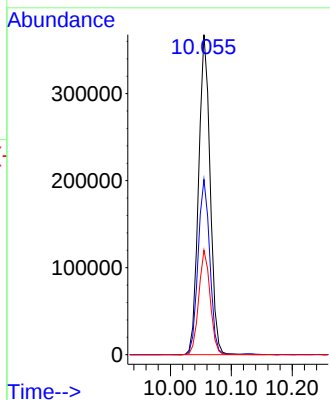
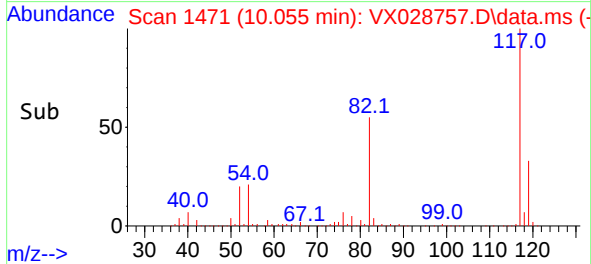
Instrument :
MSVOA_X
ClientSampleId :
31767



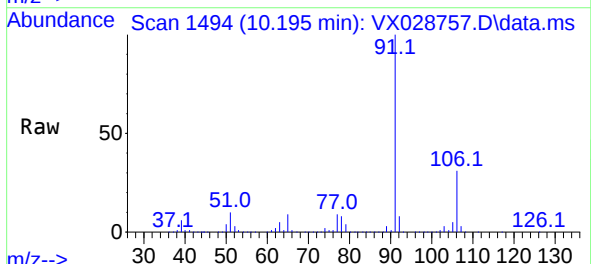
Tgt Ion:117 Resp: 484030
Ion Ratio Lower Upper
117 100
82 54.8 41.8 62.8
119 32.7 24.8 37.2

Manual Integrations
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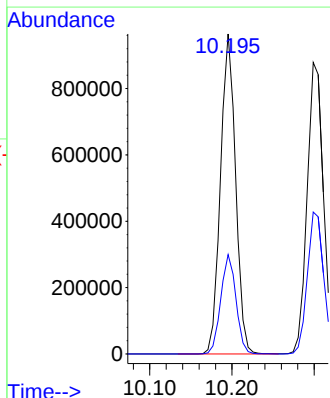
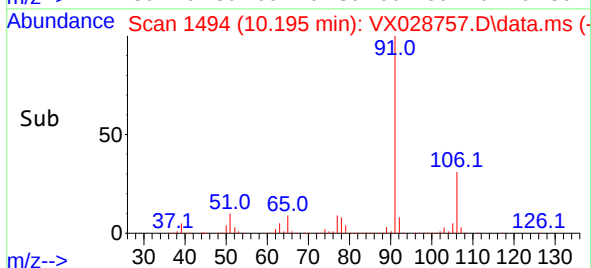
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

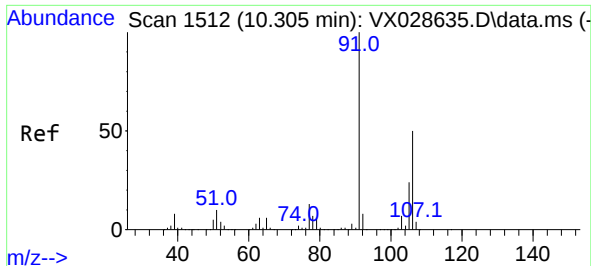


#67
Ethyl Benzene
Concen: 66.877 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58



Tgt Ion: 91 Resp: 1230871
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8





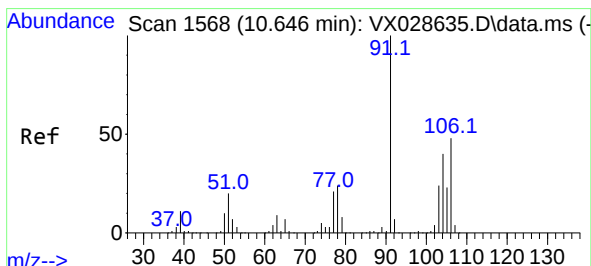
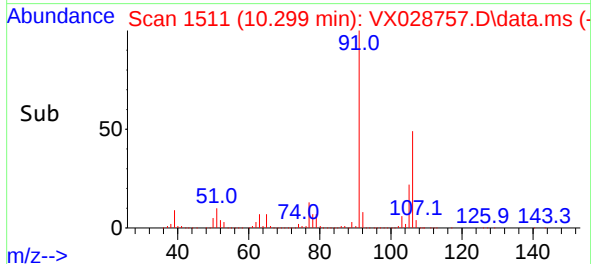
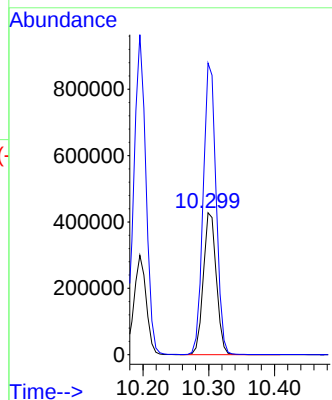
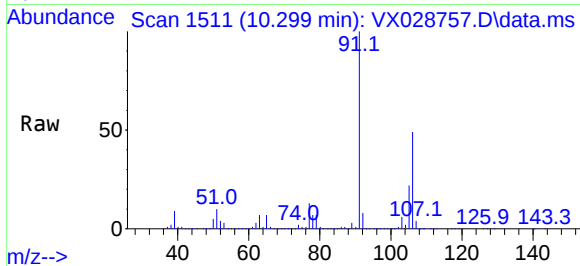
#68
m/p-Xylenes
Concen: 81.897 ug/l
RT: 10.299 min Scan# 1512
Delta R.T. -0.006 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

Instrument :
MSVOA_X
ClientSampleId :
31767

Tgt Ion:106 Resp: 58684
Ion Ratio Lower Upper
106 100
91 204.6 160.4 240.6

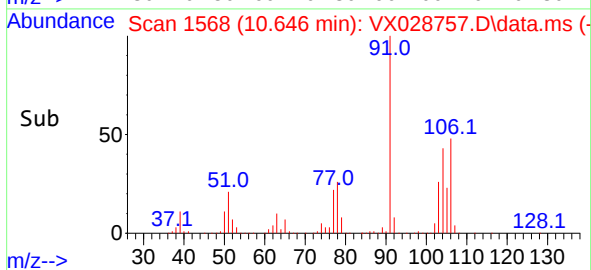
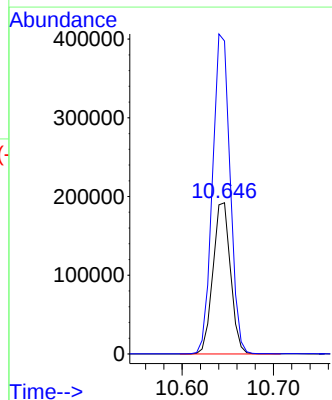
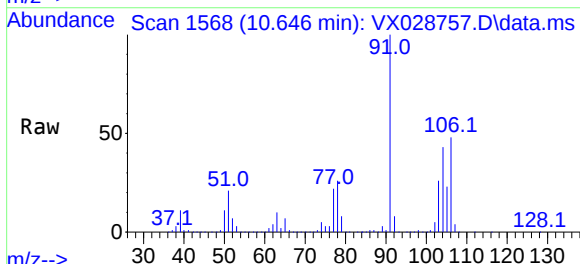
Manual Integrations
APPROVED

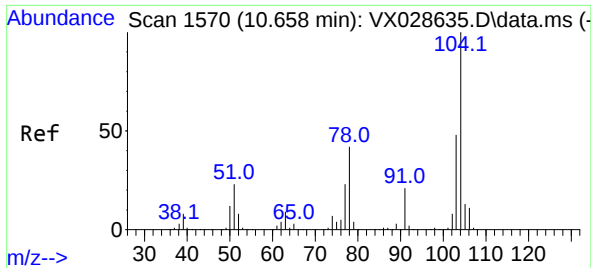
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#69
o-Xylene
Concen: 36.311 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

Tgt Ion:106 Resp: 256168
Ion Ratio Lower Upper
106 100
91 211.6 106.1 318.1





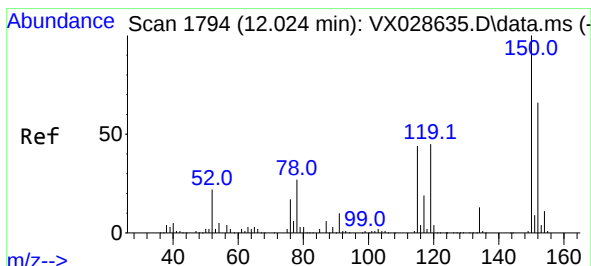
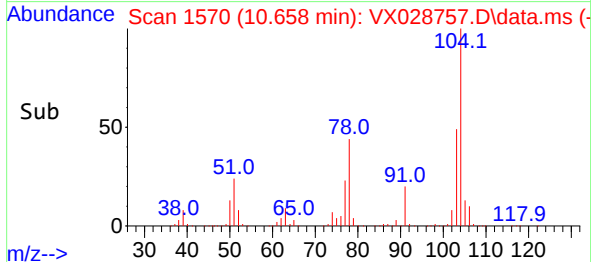
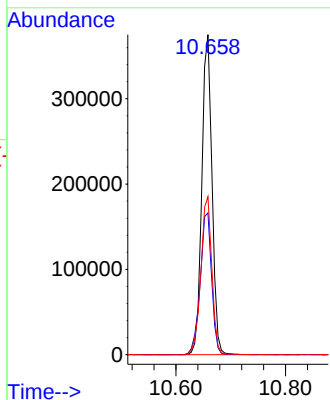
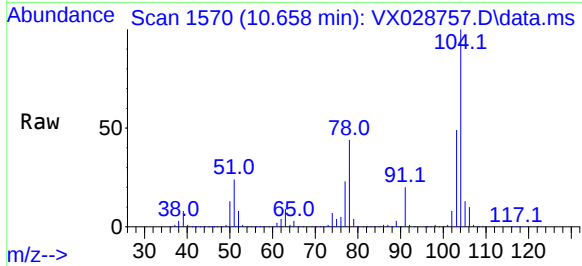
#70
Styrene
Concen: 42.151 ug/l
RT: 10.658 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

Instrument :
MSVOA_X
ClientSampleId :
31767

Tgt Ion:104 Resp: 482910
Ion Ratio Lower Upper
104 100
78 50.0 38.6 57.8
103 53.4 43.8 65.8

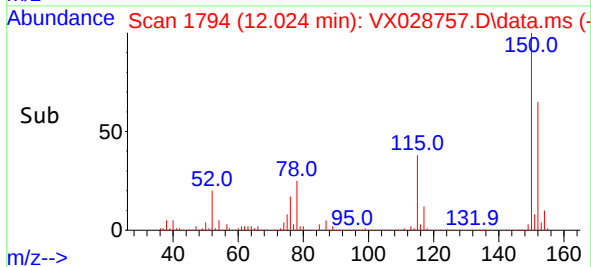
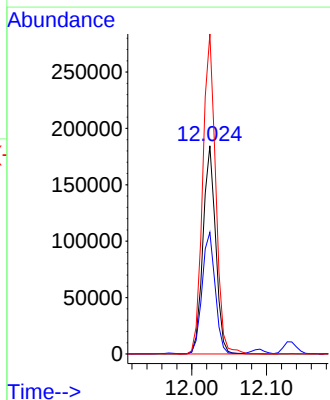
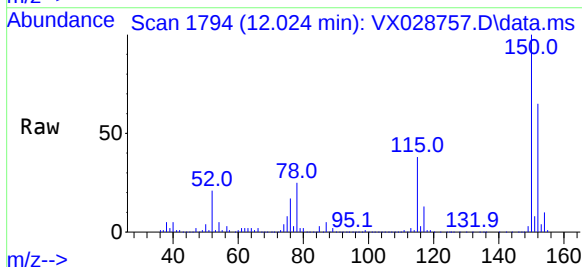
Manual Integrations
APPROVED

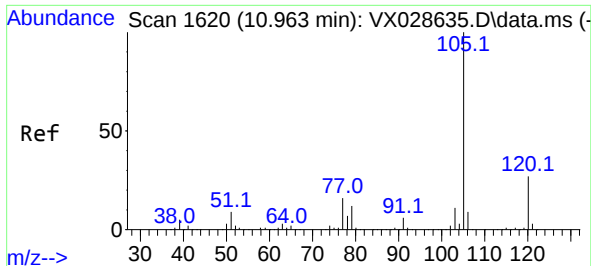
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

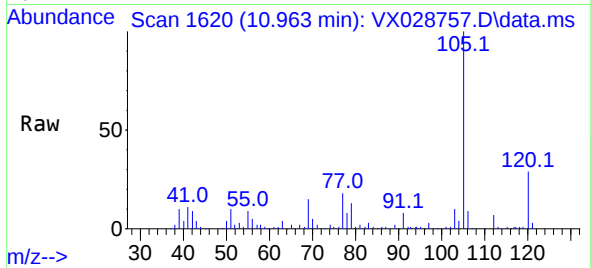
Tgt Ion:152 Resp: 216349
Ion Ratio Lower Upper
152 100
115 60.3 37.5 112.7
150 157.8 0.0 338.2





#73
Isopropylbenzene
Concen: 2.349 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

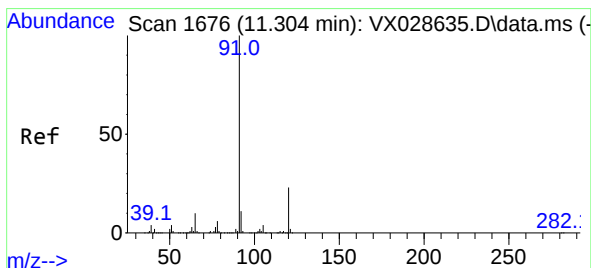
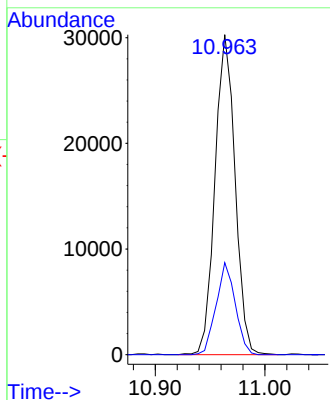
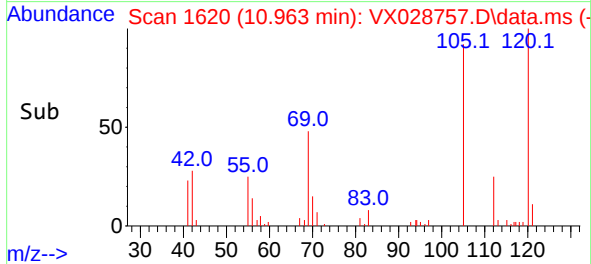
Instrument :
MSVOA_X
ClientSampleId :
31767



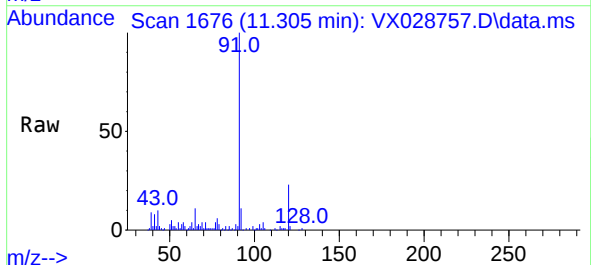
Tgt Ion:105 Resp: 3854
Ion Ratio Lower Upper
105 100
120 27.4 13.5 40.5

Manual Integrations
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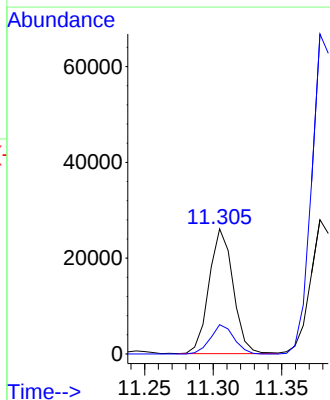
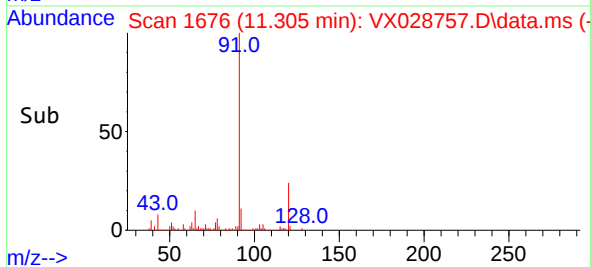
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

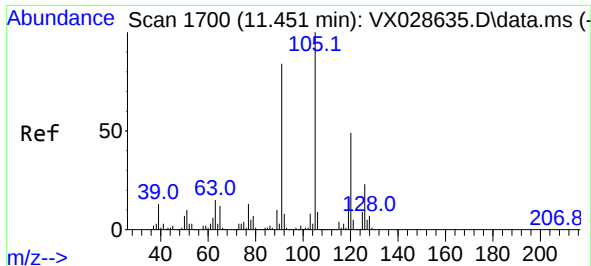


#78
n-propylbenzene
Concen: 1.673 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58



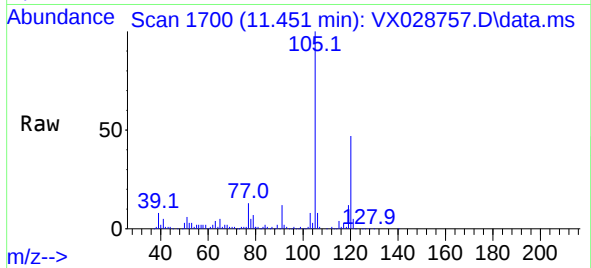
Tgt Ion: 91 Resp: 31754
Ion Ratio Lower Upper
91 100
120 23.0 11.6 34.8





#80
1,3,5-Trimethylbenzene
Concen: 5.630 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

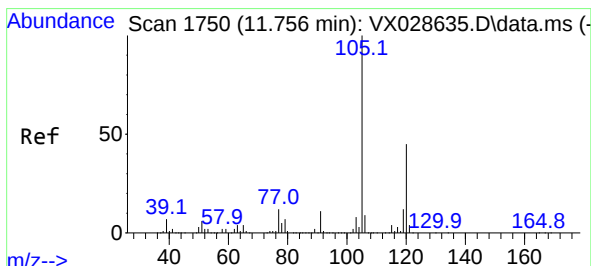
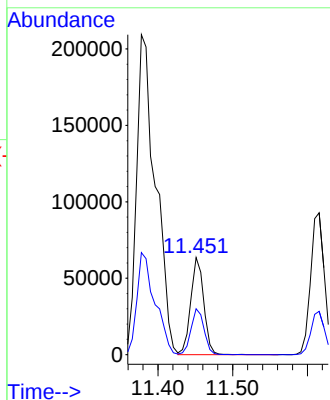
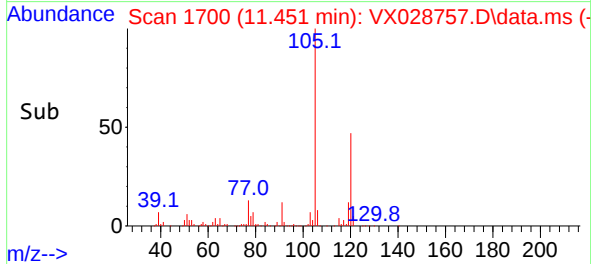
Instrument :
MSVOA_X
ClientSampleId :
31767



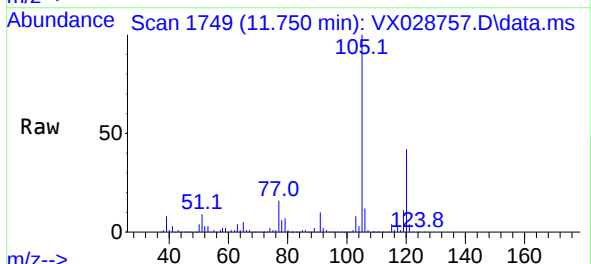
Tgt Ion:105 Resp: 76972
Ion Ratio Lower Upper
105 100
120 47.3 24.3 72.9

Manual Integrations
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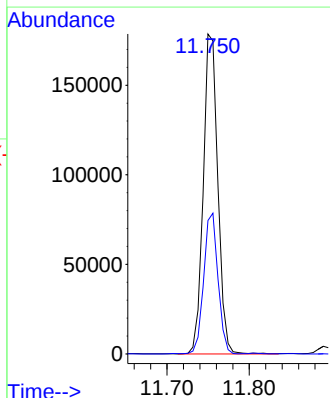
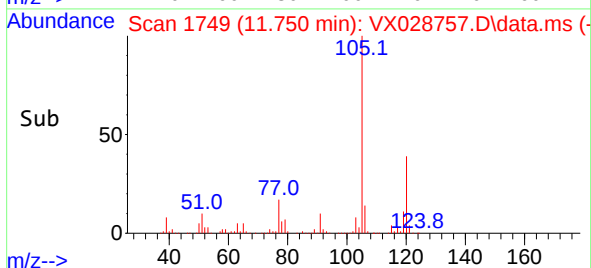
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

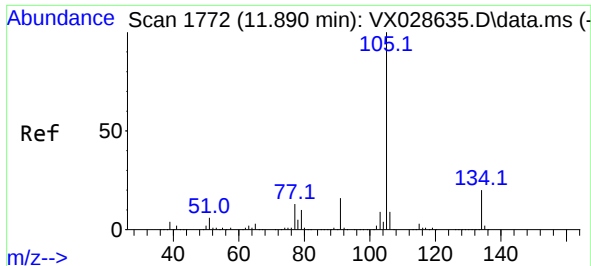


#84
1,2,4-Trimethylbenzene
Concen: 16.072 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58



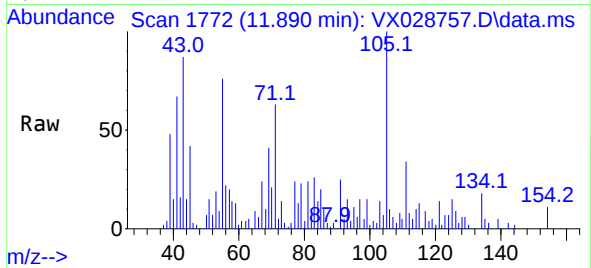
Tgt Ion:105 Resp: 220330
Ion Ratio Lower Upper
105 100
120 43.2 22.6 67.8





#85
sec-Butylbenzene
Concen: 0.311 ug/l m
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

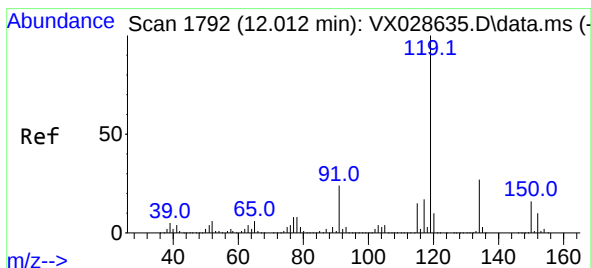
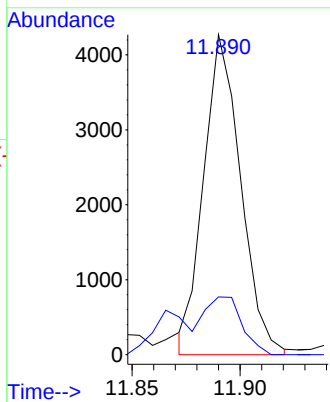
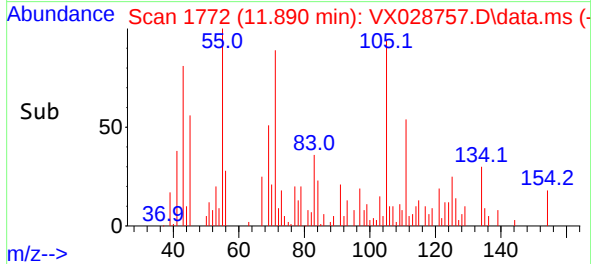
Instrument :
MSVOA_X
ClientSampleId :
31767



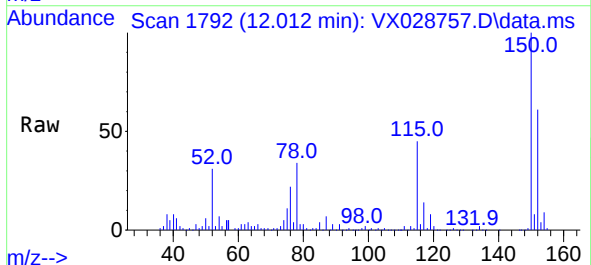
Tgt Ion:105 Resp: 508
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4

Manual Integrations
APPROVED

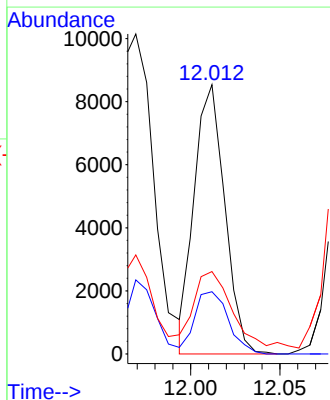
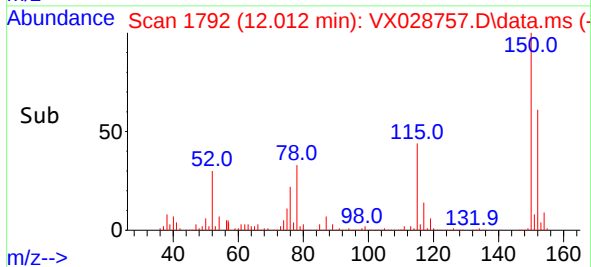
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

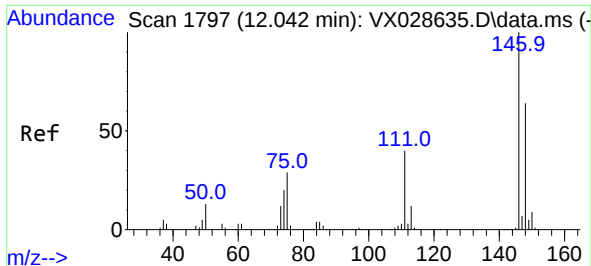


#86
p-Isopropyltoluene
Concen: 0.741 ug/l m
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58



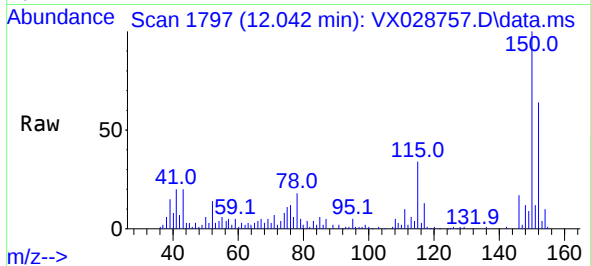
Tgt Ion:119 Resp: 10152
Ion Ratio Lower Upper
119 100
134 27.3 13.0 39.0
91 45.8 11.3 33.9





#88
1,4-Dichlorobenzene
Concen: 0.516 ug/l
RT: 12.042 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58

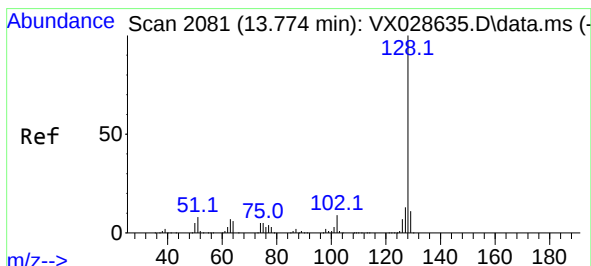
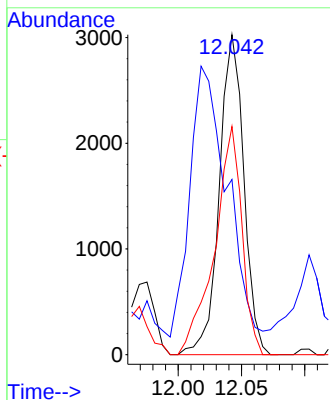
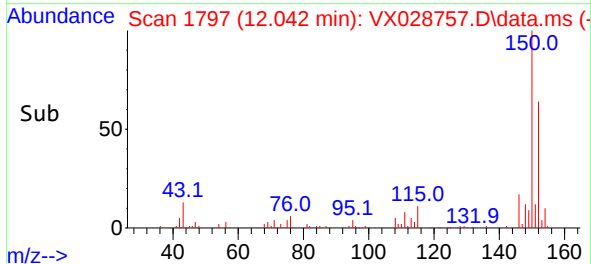
Instrument :
MSVOA_X
ClientSampleId :
31767



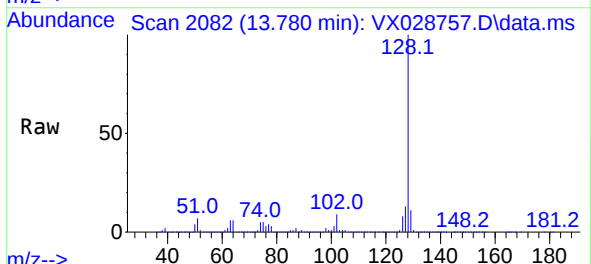
Tgt Ion:146 Resp: 4074
Ion Ratio Lower Upper
146 100
111 0.0 19.2 57.6
148 79.5 32.3 96.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#95
Naphthalene
Concen: 150.616 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028757.D
Acq: 17 May 2022 14:58



Tgt Ion:128 Resp: 2315529
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.3 8.7 13.1

