

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028206.D
 Acq On : 20 Apr 2022 18:31
 Operator : JC/MD
 Sample : N2459-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31573

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2022
 Supervised By : Mahesh Dadoda 04/21/2022

Quant Time: Apr 21 06:15:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	381051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	663515	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	647312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	351908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	272488	54.844	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.680%			
35) Dibromofluoromethane	5.391	113	247570	53.204	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.400%			
50) Toluene-d8	8.653	98	910585	50.951	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.900%			
62) 4-Bromofluorobenzene	11.079	95	359361	52.588	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.180%			
Target Compounds					Qvalue	
16) Acetone	2.373	43	50542	32.089	ug/l	93
22) Diisopropyl ether	3.757	45	11333	1.013	ug/l #	83
25) 2-Butanone	4.562	43	26874	9.133	ug/l	97
29) Tetrahydrofuran	5.019	42	3474	1.811	ug/l	99
31) Cyclohexane	5.476	56	67127	11.089	ug/l	99
39) Methylcyclohexane	7.385	83	24381	3.184	ug/l	96
40) Benzene	6.043	78	1887571	106.239	ug/l	99
51) 4-Methyl-2-Pentanone	8.579	43	4749	0.738	ug/l	97
52) Toluene	8.720	92	2318781	187.853	ug/l	95
59) 2-Hexanone	9.445	43	2548	0.511	ug/l	92
67) Ethyl Benzene	10.195	91	186311	8.051	ug/l	99
68) m/p-Xylenes	10.305	106	1552880	164.872	ug/l	93
69) o-Xylene	10.640	106	863717	91.977	ug/l	94
73) Isopropylbenzene	10.963	105	17546	0.725	ug/l	96
78) n-propylbenzene	11.305	91	21177	0.790	ug/l #	52
80) 1,3,5-Trimethylbenzene	11.451	105	483521	23.550	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	1728551	84.692	ug/l	95
85) sec-Butylbenzene	11.890	105	7601m	0.301	ug/l	
86) p-Isopropyltoluene	12.012	119	9390m	0.430	ug/l	
95) Naphthalene	13.780	128	268970	11.545	ug/l	99

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

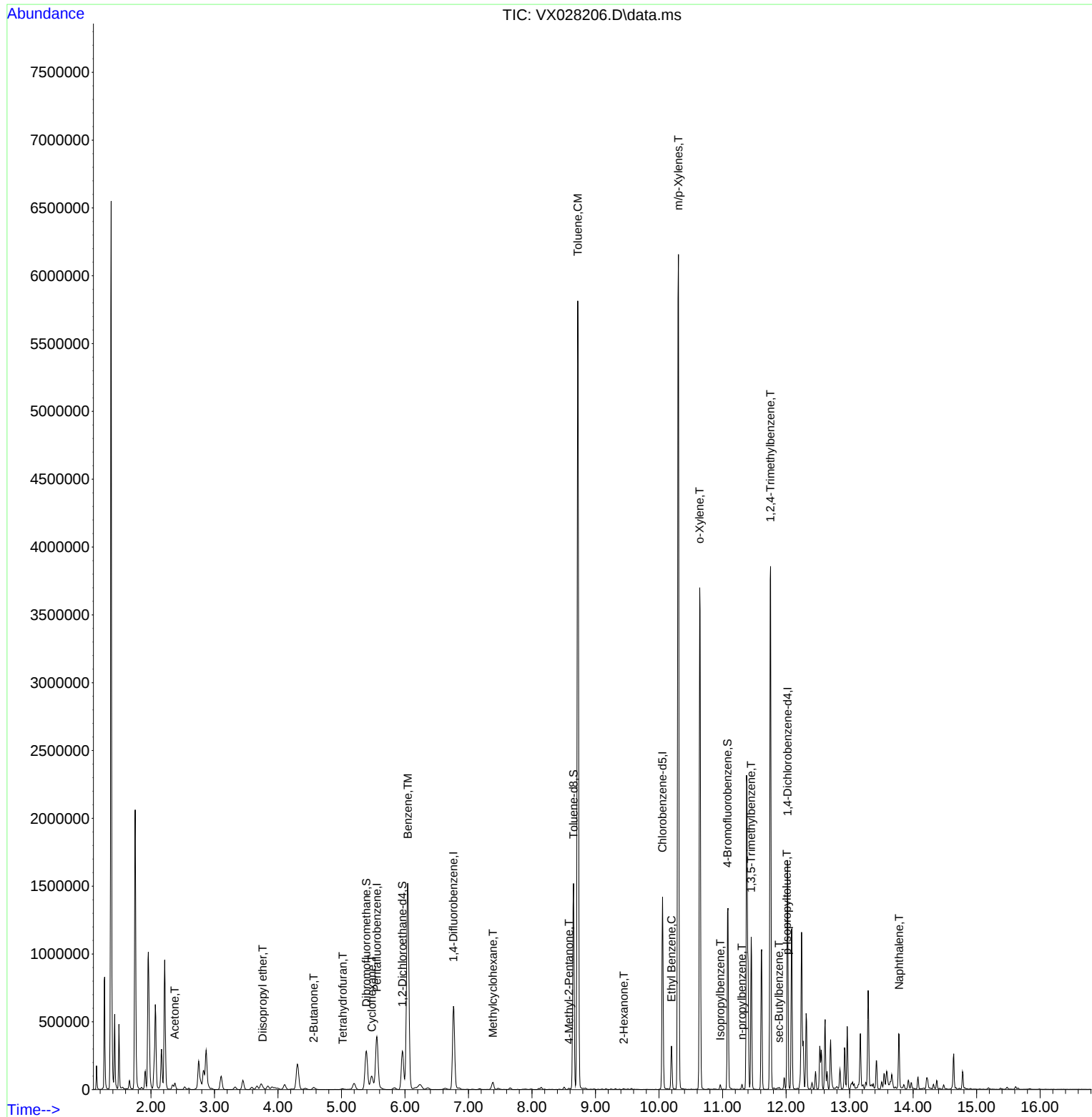
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
Data File : VX028206.D
Acq On : 20 Apr 2022 18:31
Operator : JC/MD
Sample : N2459-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

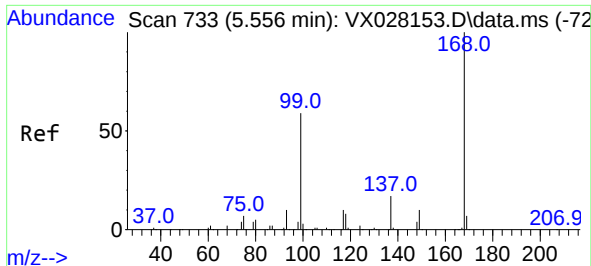
Instrument :
MSVOA_X
ClientSampleId :
31573

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Supervised By : Mahesh Dadoda 04/21/2022

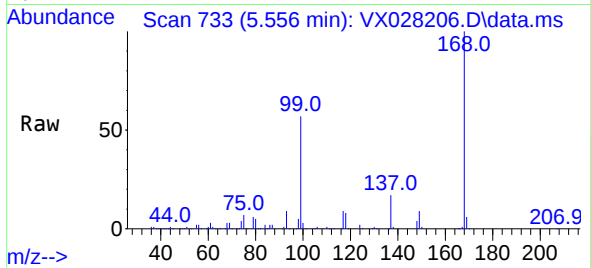
Quant Time: Apr 21 06:15:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

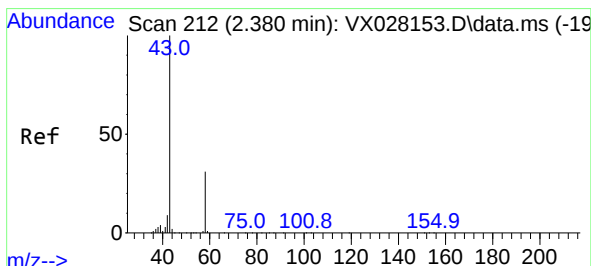
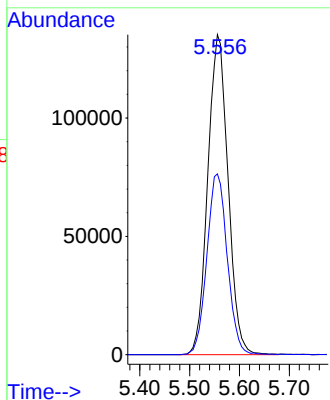
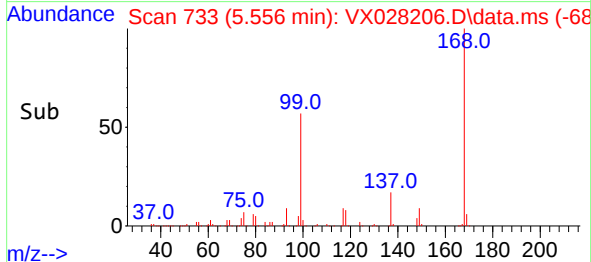
Instrument :
MSVOA_X
ClientSampleId :
31573



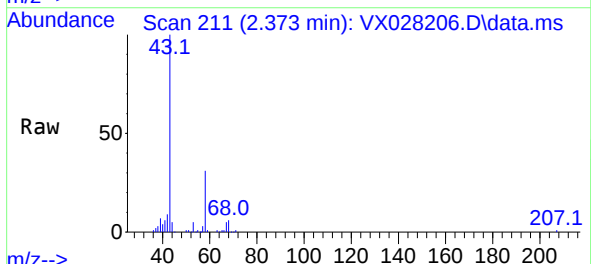
Tgt Ion:168 Resp: 38105
Ion Ratio Lower Upper
168 100
99 56.5 41.7 62.5

Manual Integrations
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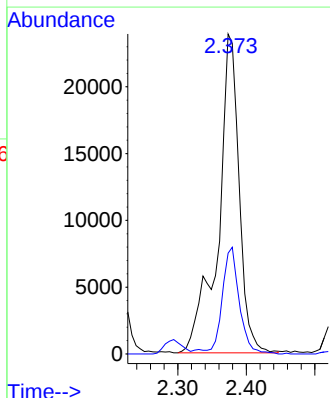
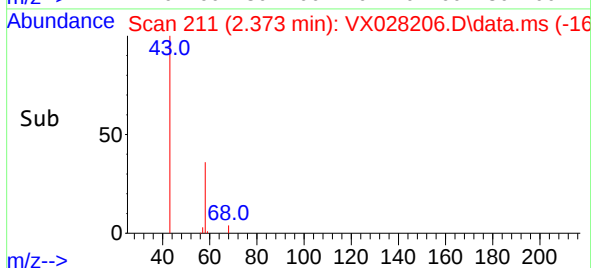
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

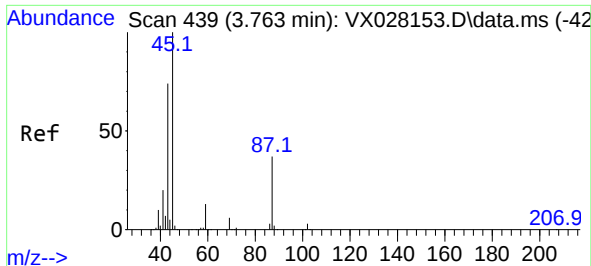


#16
Acetone
Concen: 32.089 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31



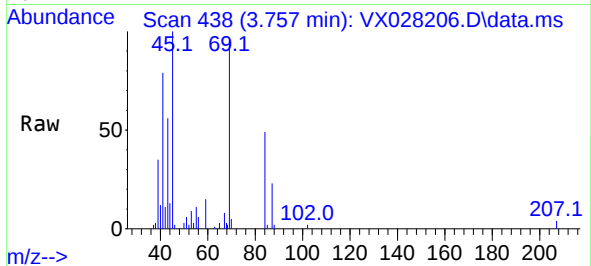
Tgt Ion: 43 Resp: 50542
Ion Ratio Lower Upper
43 100
58 31.6 28.8 43.2





#22
Diisopropyl ether
Concen: 1.013 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

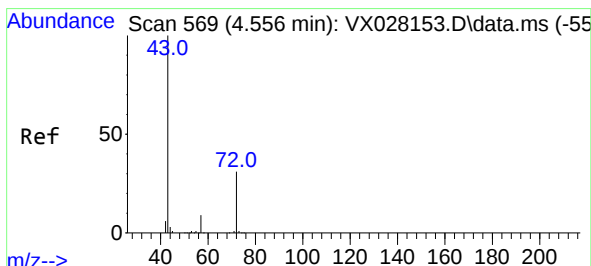
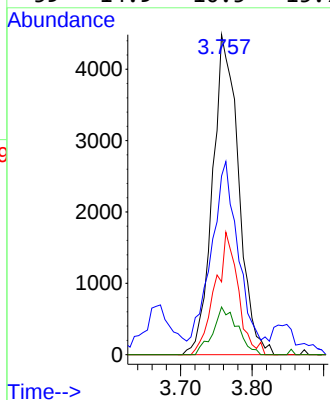
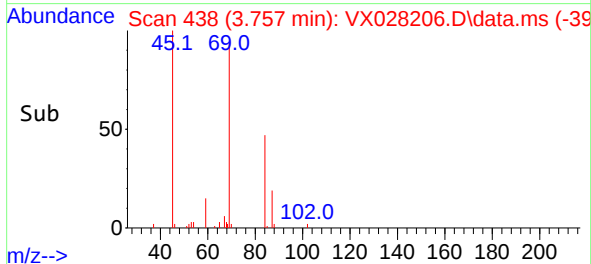
Instrument :
MSVOA_X
ClientSampleId :
31573



Tgt Ion: 45 Resp: 1133
Ion Ratio Lower Upper
45 100
43 49.2 50.8 76.2
87 22.7 26.6 39.8
59 14.9 10.5 15.7

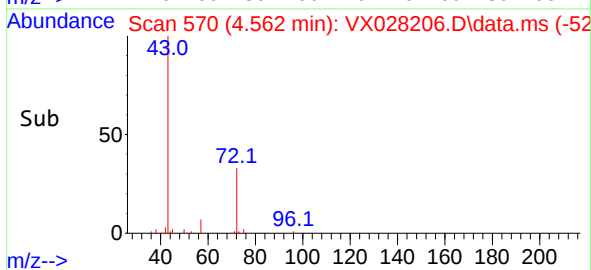
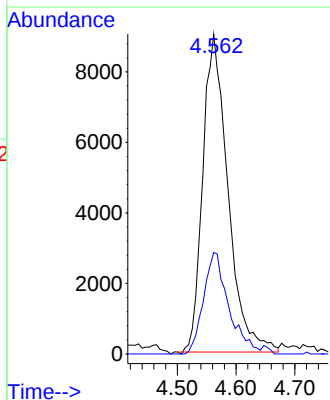
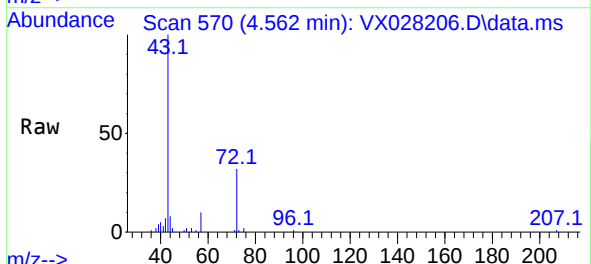
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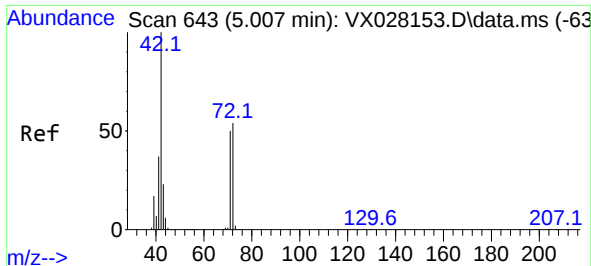
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#25
2-Butanone
Concen: 9.133 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

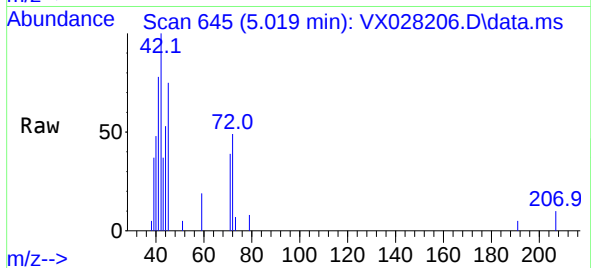
Tgt Ion: 43 Resp: 26874
Ion Ratio Lower Upper
43 100
72 31.9 24.4 36.6





#29
Tetrahydrofuran
Concen: 1.811 ug/l
RT: 5.019 min Scan# 643
Delta R.T. 0.012 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

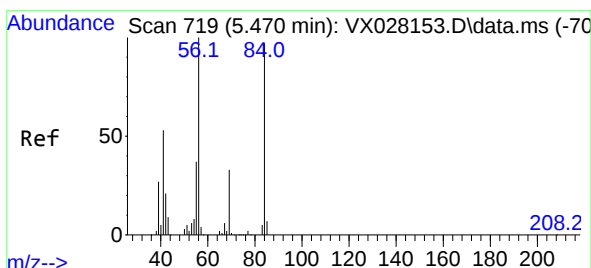
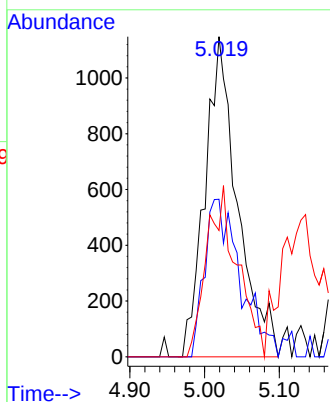
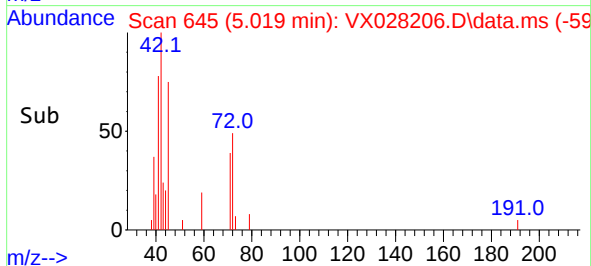
Instrument :
MSVOA_X
ClientSampleId :
31573



Tgt Ion: 42 Resp: 3474
Ion Ratio Lower Upper
42 100
72 54.2 44.1 66.1
71 50.2 40.5 60.7

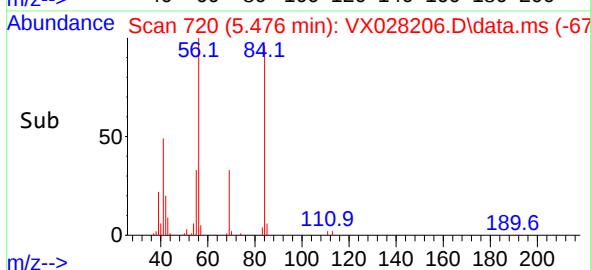
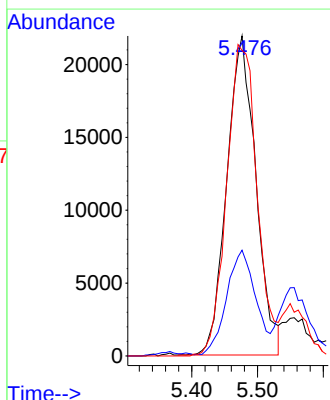
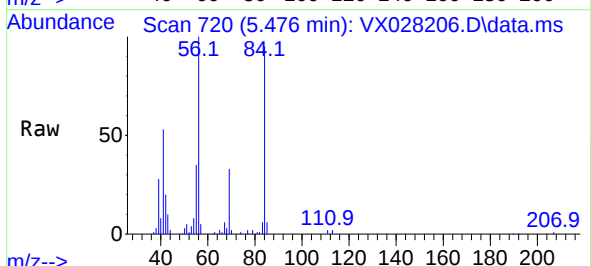
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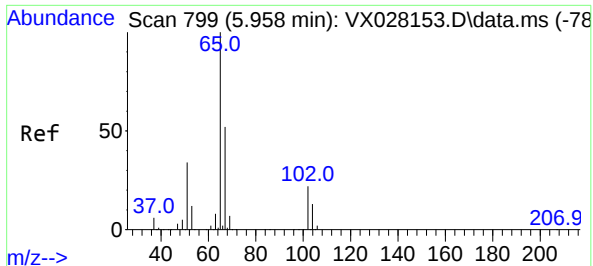
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#31
Cyclohexane
Concen: 11.089 ug/l
RT: 5.476 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

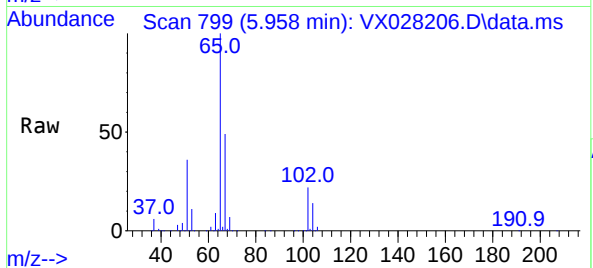
Tgt Ion: 56 Resp: 67127
Ion Ratio Lower Upper
56 100
69 32.5 26.7 40.1
84 95.8 77.2 115.8





#33
1,2-Dichloroethane-d4
Concen: 54.844 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

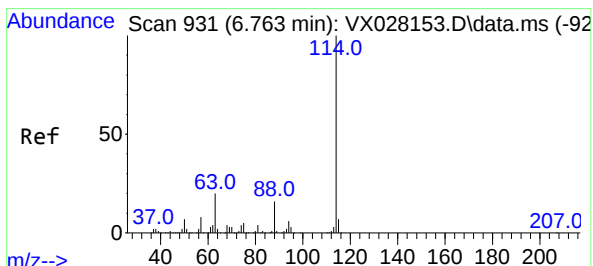
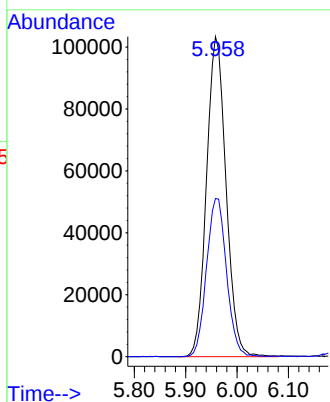
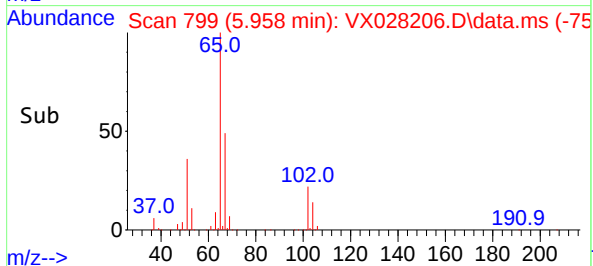
Instrument :
MSVOA_X
ClientSampleId :
31573



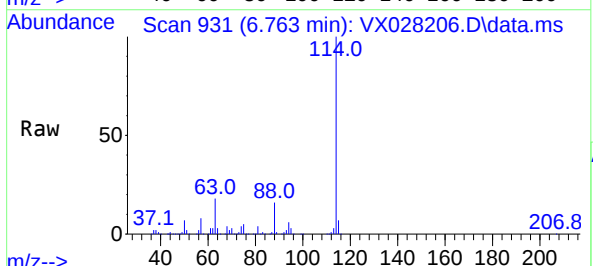
Tgt Ion: 65 Resp: 272488
Ion Ratio Lower Upper
65 100
67 50.7 0.0 107.4

Manual Integrations
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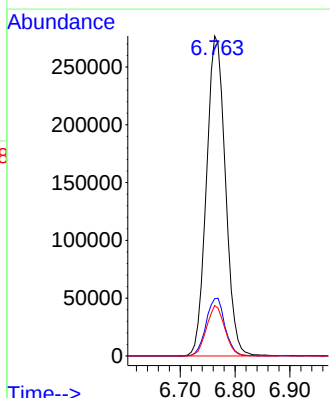
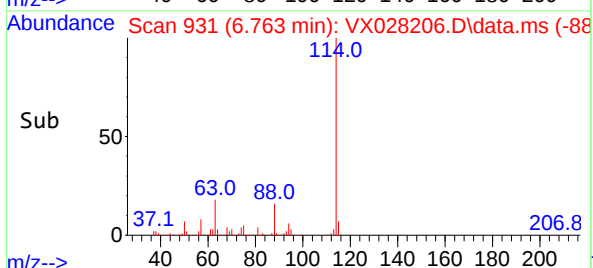
Reviewed By :John Carlone 04/21/2022
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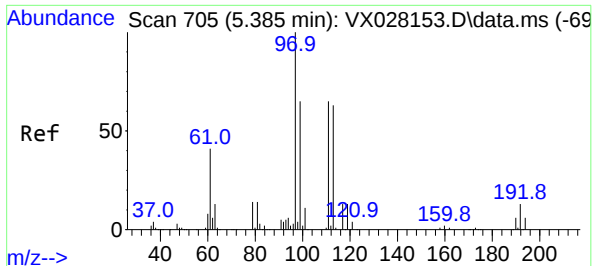


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31



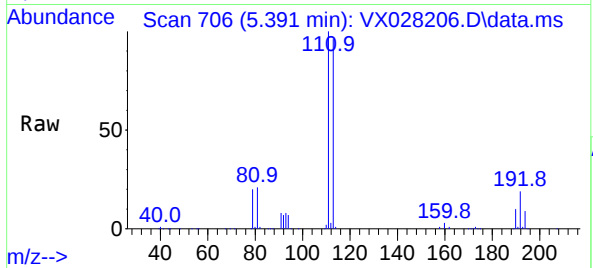
Tgt Ion:114 Resp: 663515
Ion Ratio Lower Upper
114 100
63 17.9 0.0 36.8
88 15.7 0.0 32.4





#35
Dibromofluoromethane
Concen: 53.204 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

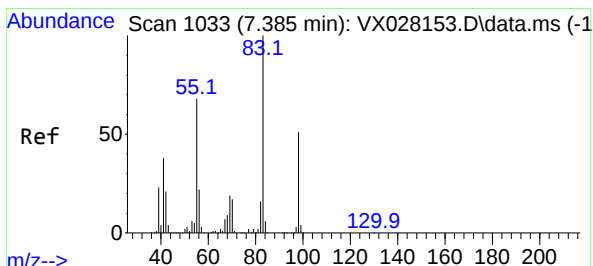
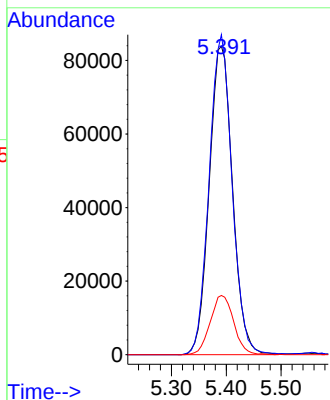
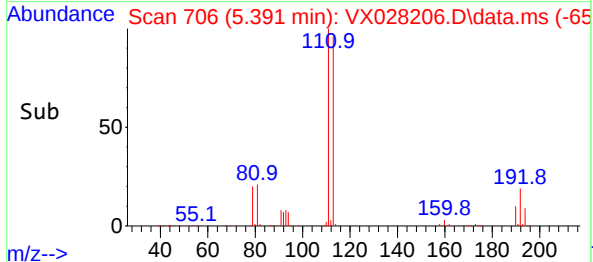
Instrument :
MSVOA_X
ClientSampleId :
31573



Tgt Ion: 113 Resp: 247570
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 19.4 16.9 25.3

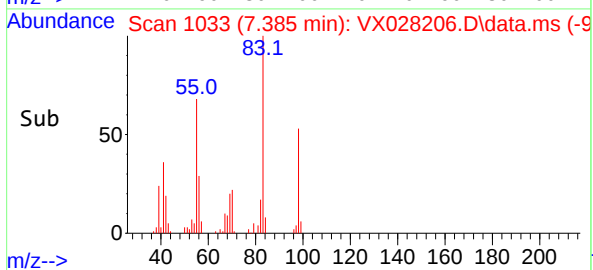
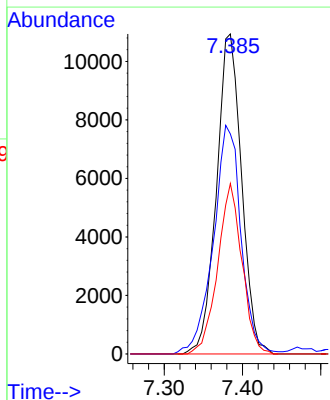
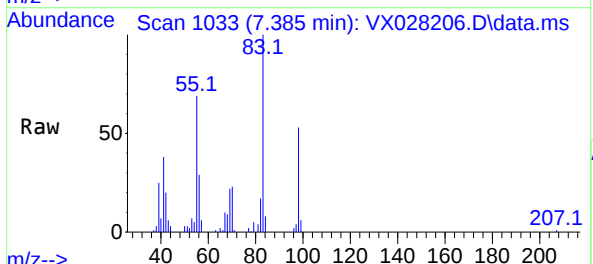
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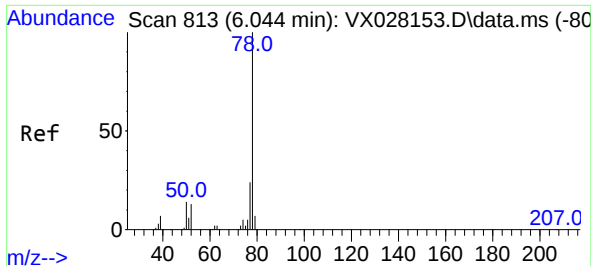
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#39
Methylcyclohexane
Concen: 3.184 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

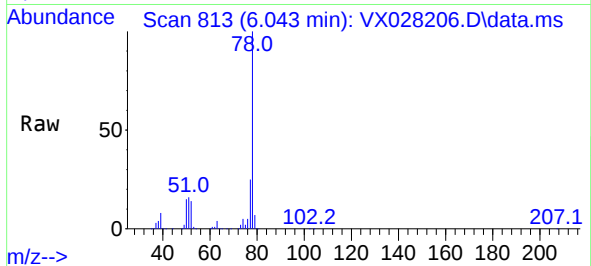
Tgt Ion: 83 Resp: 24381
Ion Ratio Lower Upper
83 100
55 68.0 54.6 81.8
98 53.3 37.4 56.2





#40
Benzene
Concen: 106.239 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.001 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

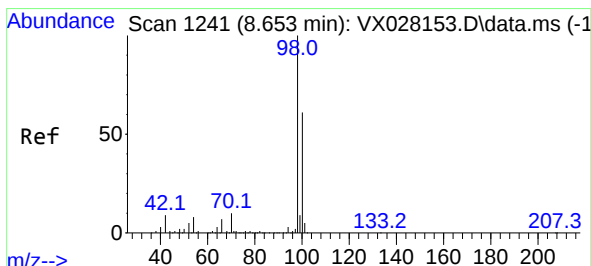
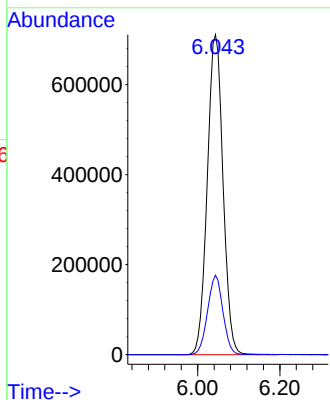
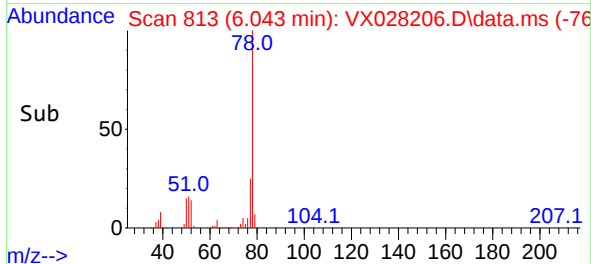
Instrument :
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Client Sample Id :
31573



Tgt Ion: 78 Resp: 188757
Ion Ratio Lower Upper
78 100
77 24.8 19.3 28.9

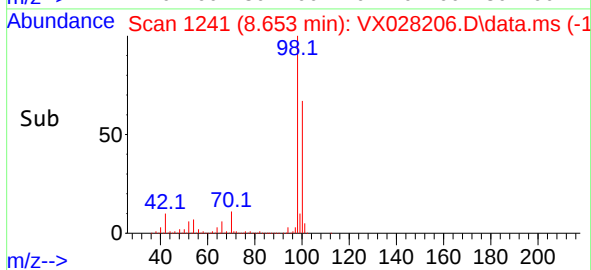
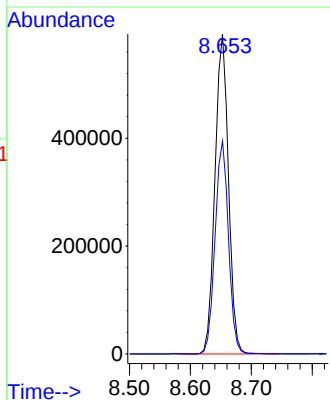
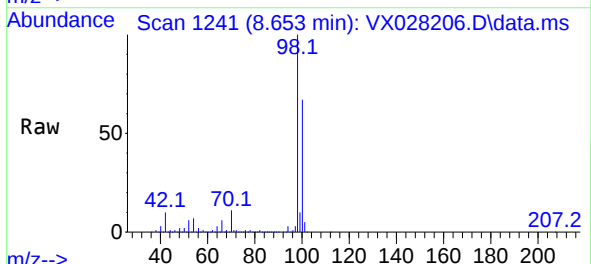
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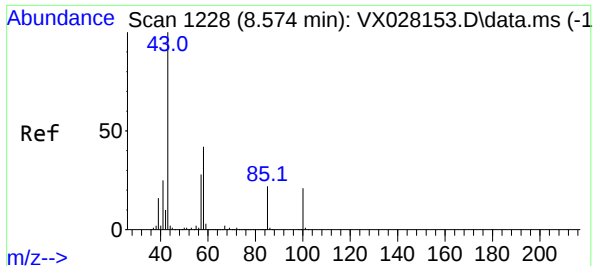
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#50
Toluene-d8
Concen: 50.951 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

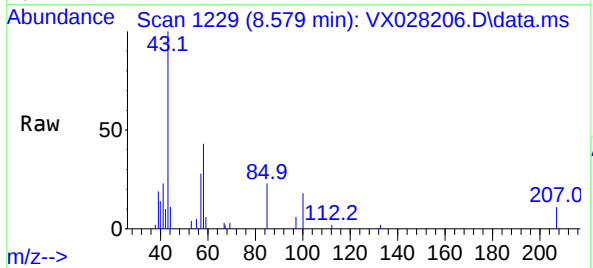
Tgt Ion: 98 Resp: 910585
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8





#51
4-Methyl-2-Pentanone
Concen: 0.738 ug/l
RT: 8.579 min Scan# 11
Delta R.T. 0.005 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

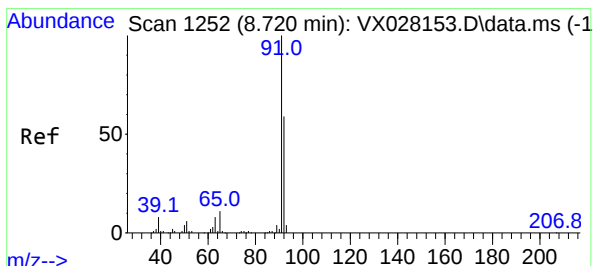
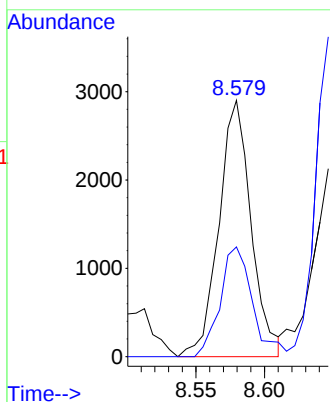
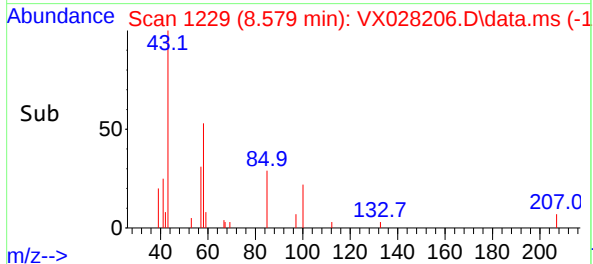
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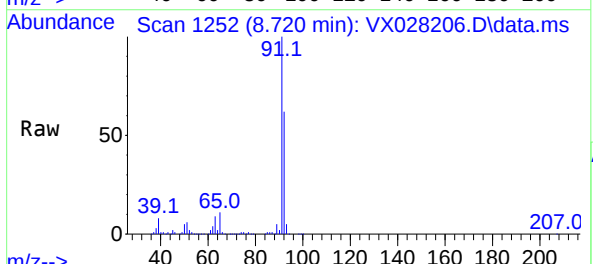
Tgt Ion: 43 Resp: 4749
Ion Ratio Lower Upper
43 100
58 42.8 36.1 54.1

Manual Integrations
APPROVED

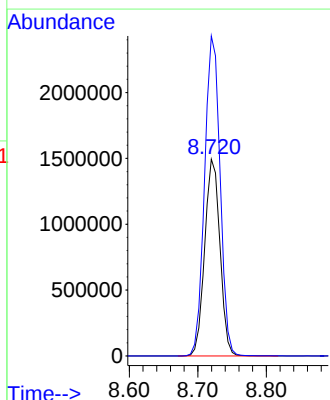
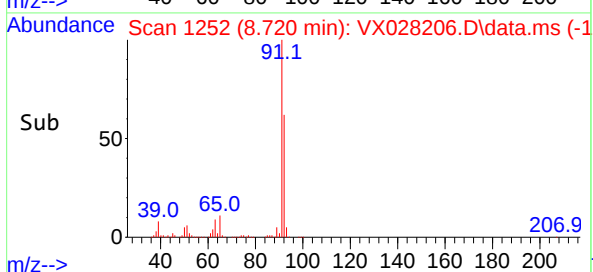
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

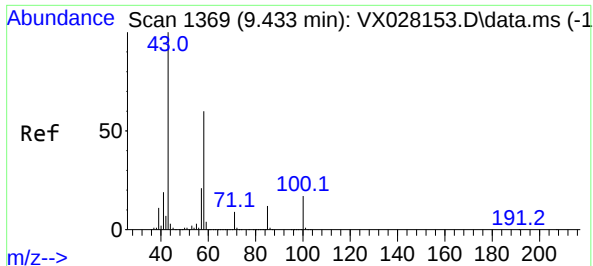


#52
Toluene
Concen: 187.853 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31



Tgt Ion: 92 Resp: 2318781
Ion Ratio Lower Upper
92 100
91 165.3 137.5 206.3





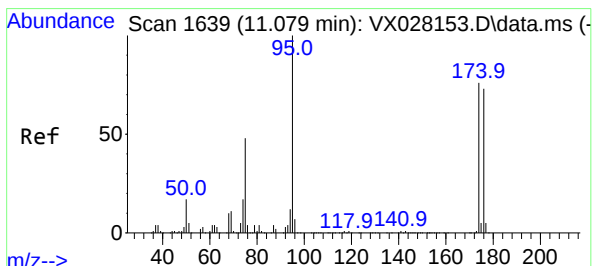
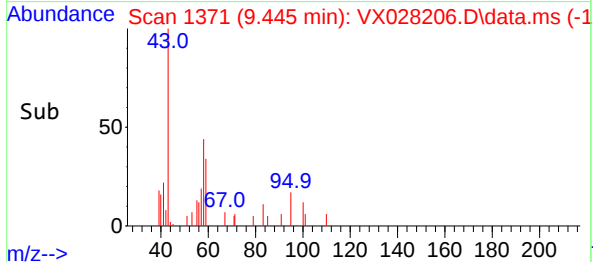
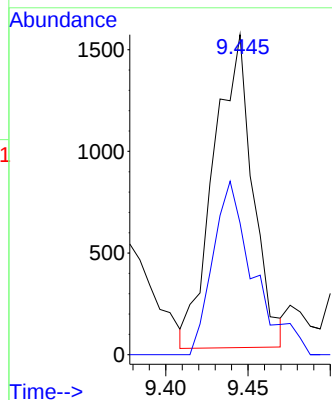
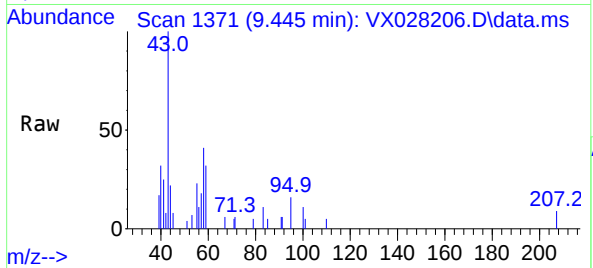
#59
2-Hexanone
Concen: 0.511 ug/l
RT: 9.445 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

Instrument :
MSVOA_X
ClientSampleId :
31573

Tgt Ion: 43 Resp: 2548
Ion Ratio Lower Upper
43 100
58 57.9 31.9 95.7

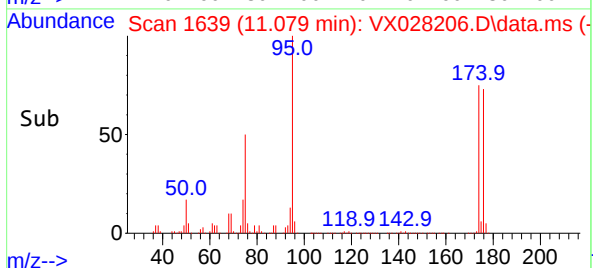
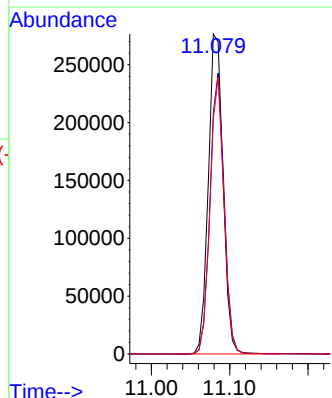
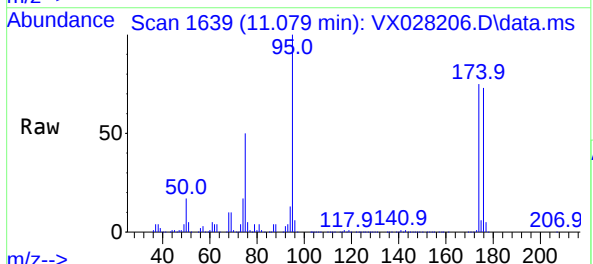
Manual Integrations
APPROVED

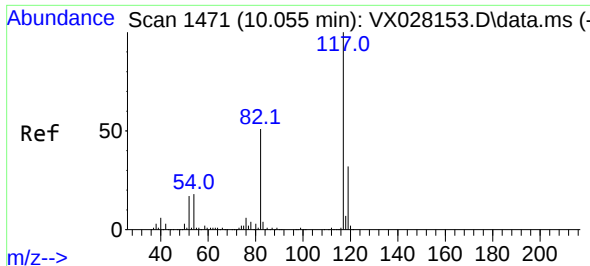
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#62
4-Bromofluorobenzene
Concen: 52.588 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

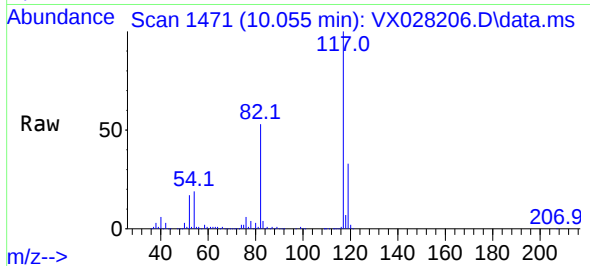
Tgt Ion: 95 Resp: 359361
Ion Ratio Lower Upper
95 100
174 84.6 0.0 163.0
176 82.0 0.0 155.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

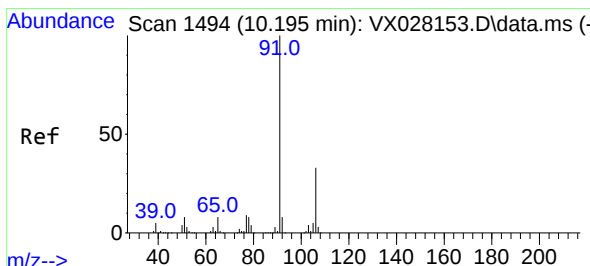
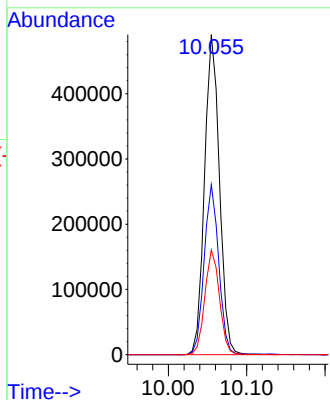
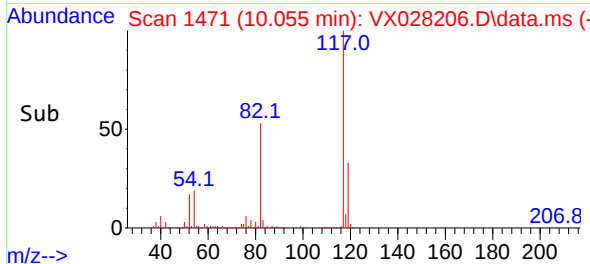
Instrument :
MSVOA_X
ClientSampleId :
31573



Tgt Ion: 117 Resp: 647312
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.8
119 32.7 24.8 37.2

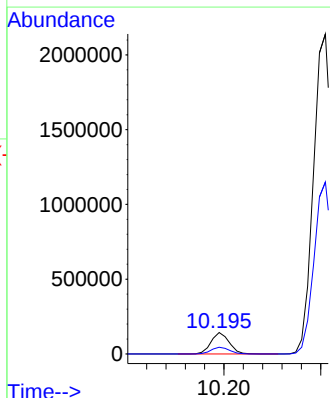
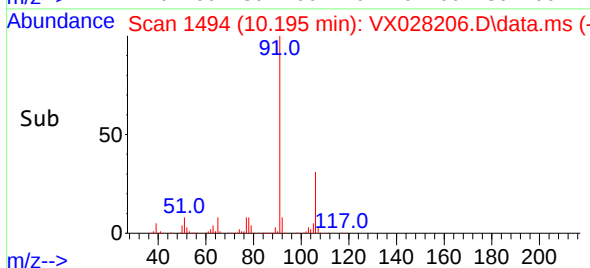
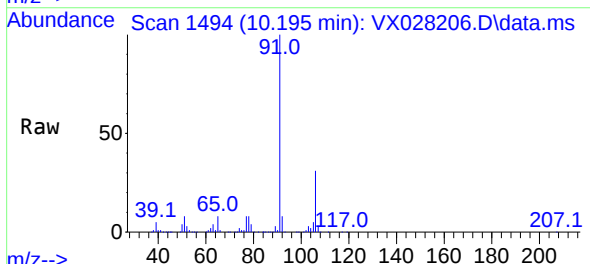
Manual Integrations
APPROVED

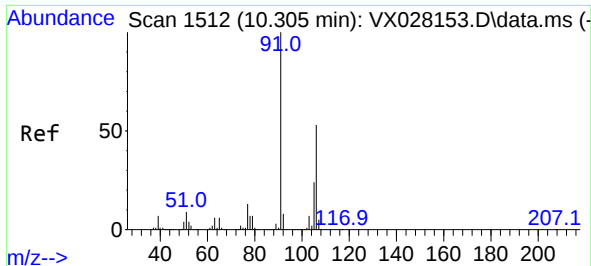
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#67
Ethyl Benzene
Concen: 8.051 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

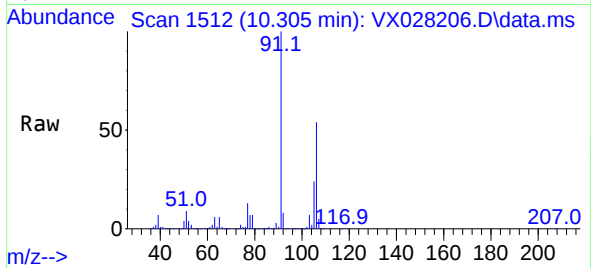
Tgt Ion: 91 Resp: 186311
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8





#68
m/p-Xylenes
Concen: 164.872 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

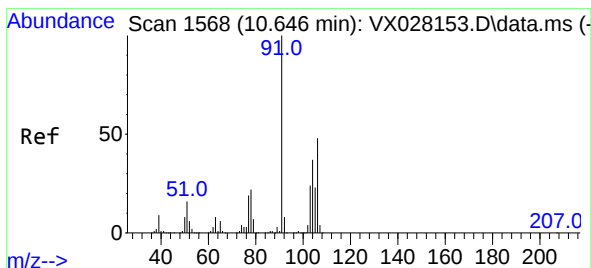
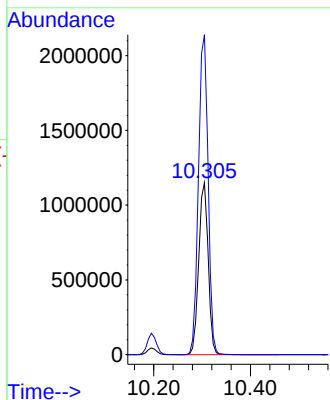
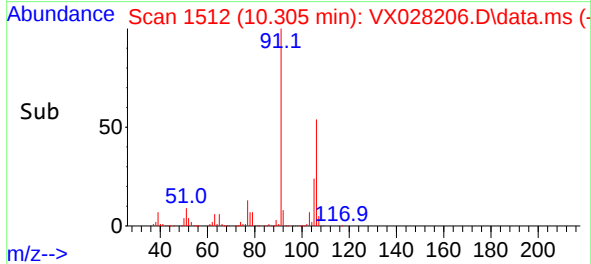
Instrument :
MSVOA_X
ClientSampleId :
31573



Tgt Ion:106 Resp: 1552880
Ion Ratio Lower Upper
106 100
91 190.4 160.4 240.6

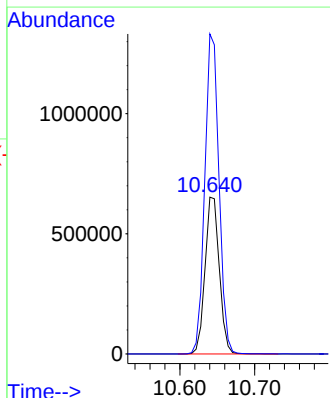
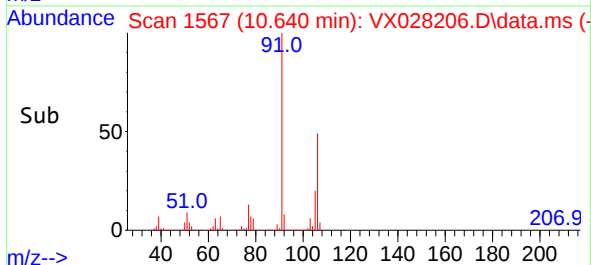
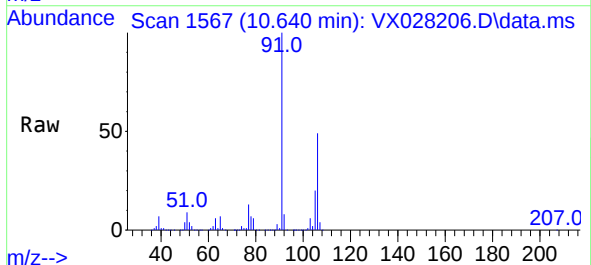
Manual Integrations
APPROVED

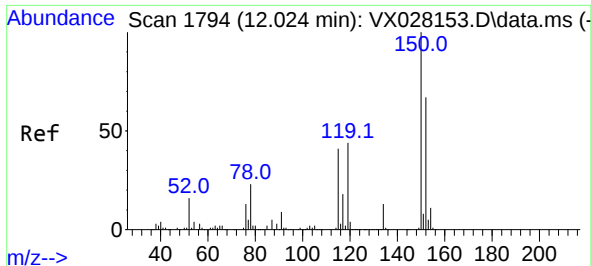
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#69
o-Xylene
Concen: 91.977 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

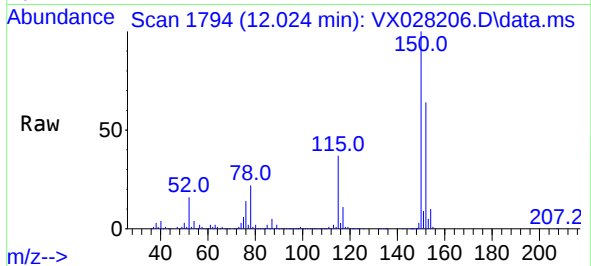
Tgt Ion:106 Resp: 863717
Ion Ratio Lower Upper
106 100
91 202.5 106.1 318.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

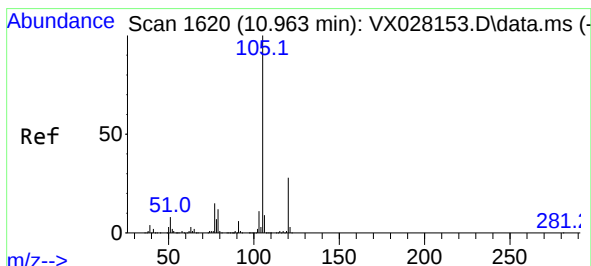
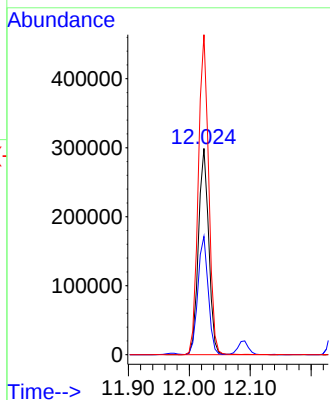
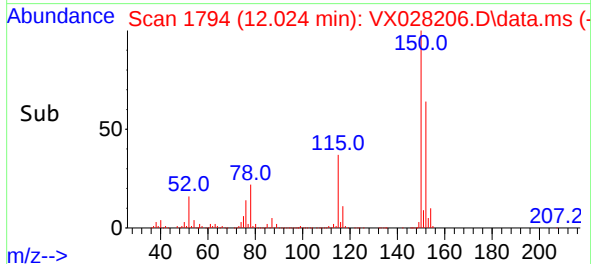
Instrument :
MSVOA_X
ClientSampleId :
31573



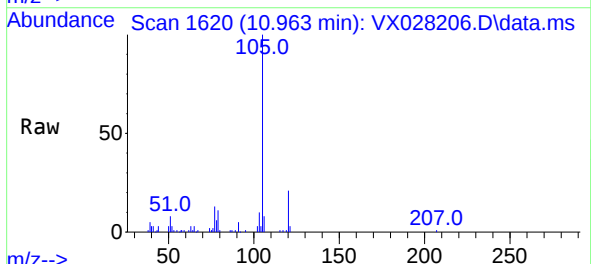
Tgt Ion:152 Resp: 351908
Ion Ratio Lower Upper
152 100
115 57.4 37.5 112.7
150 155.9 0.0 338.2

Manual Integrations
APPROVED

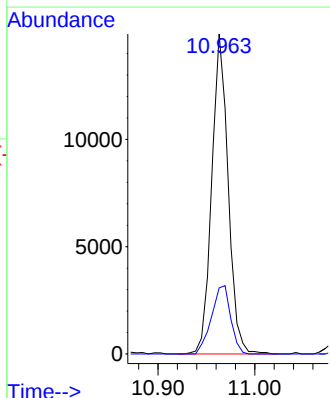
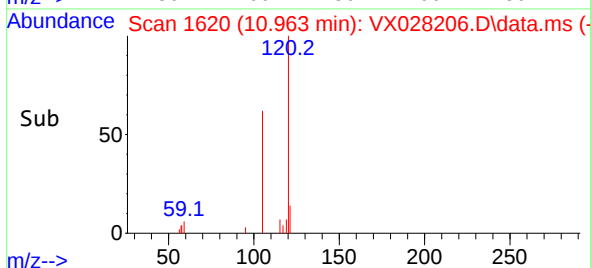
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

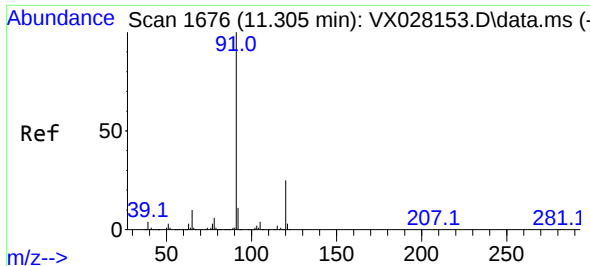


#73
Isopropylbenzene
Concen: 0.725 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31



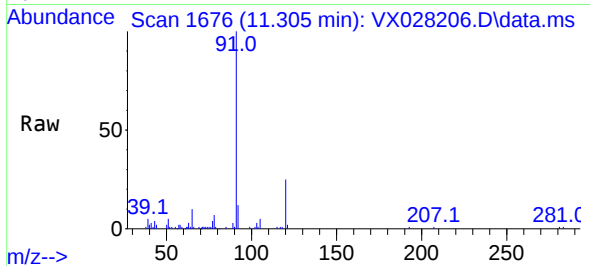
Tgt Ion:105 Resp: 17546
Ion Ratio Lower Upper
105 100
120 25.0 13.5 40.5





#78
n-propylbenzene
Concen: 0.790 ug/l
RT: 11.305 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

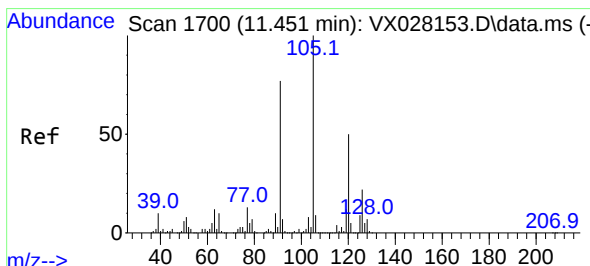
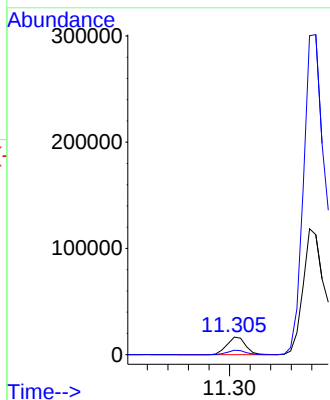
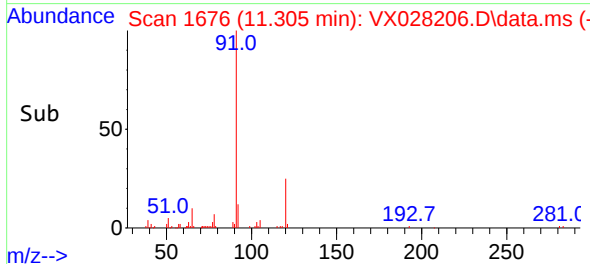
Instrument :
MSVOA_X
ClientSampleId :
31573



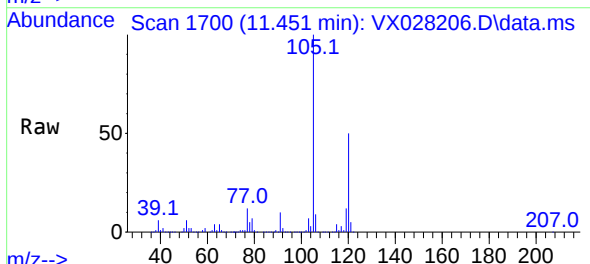
Tgt Ion: 91 Resp: 2117
Ion Ratio Lower Upper
91 100
120 0.0 11.6 34.8

Manual Integrations
APPROVED

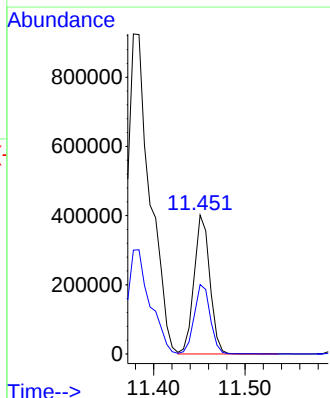
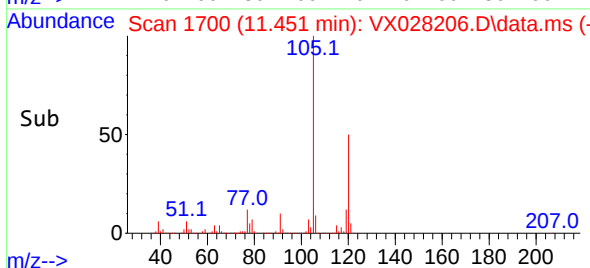
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

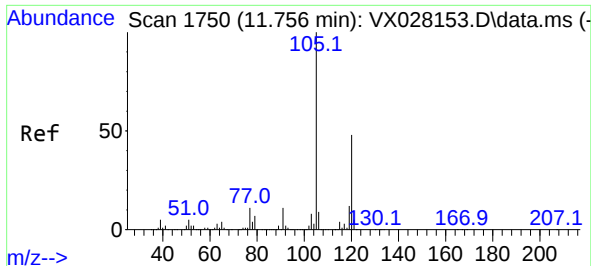


#80
1,3,5-Trimethylbenzene
Concen: 23.550 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31



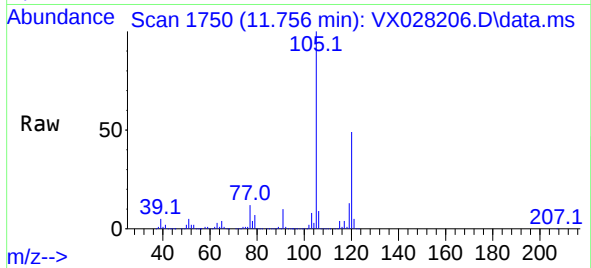
Tgt Ion:105 Resp: 483521
Ion Ratio Lower Upper
105 100
120 50.7 24.3 72.9





#84
1,2,4-Trimethylbenzene
Concen: 84.692 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

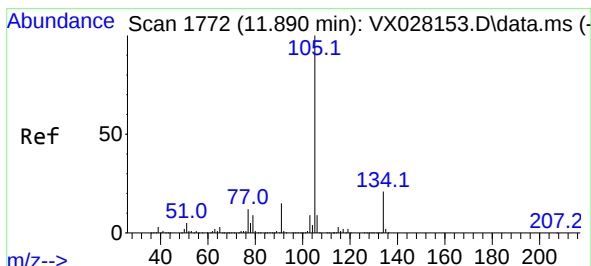
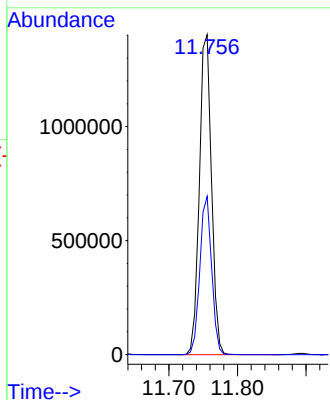
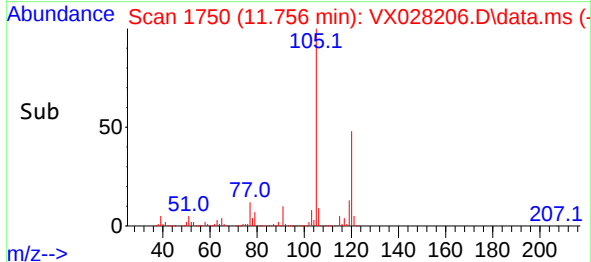
Instrument :
MSVOA_X
ClientSampleId :
31573



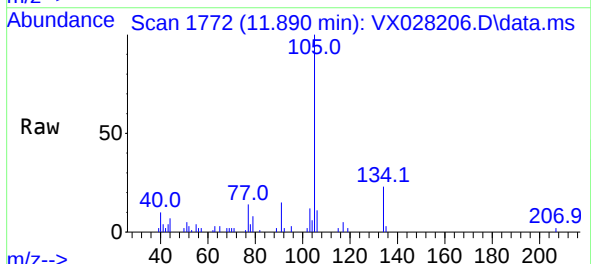
Tgt Ion:105 Resp: 172855
Ion Ratio Lower Upper
105 100
120 48.3 22.6 67.8

Manual Integrations
APPROVED

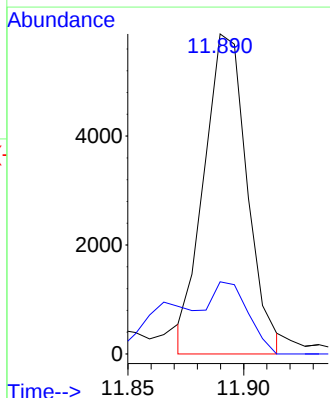
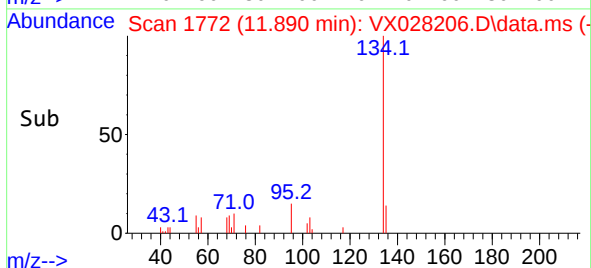
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

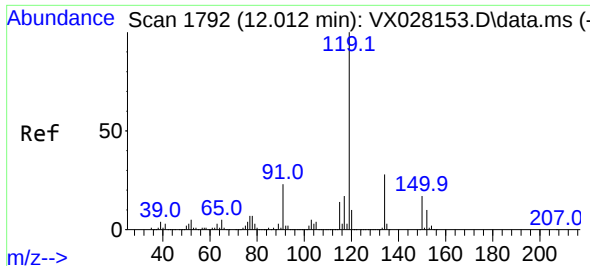


#85
sec-Butylbenzene
Concen: 0.301 ug/l m
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31



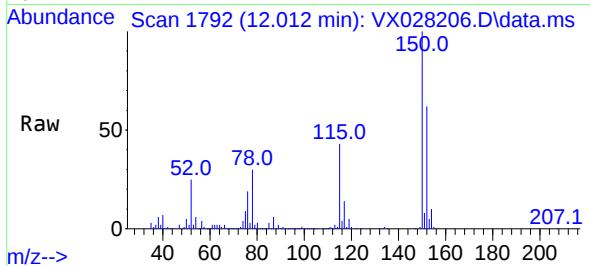
Tgt Ion:105 Resp: 7601
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#86
p-Isopropyltoluene
Concen: 0.430 ug/l m
RT: 12.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31

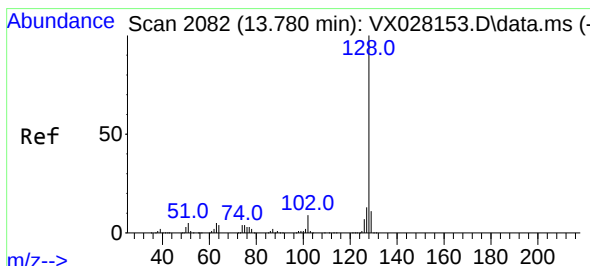
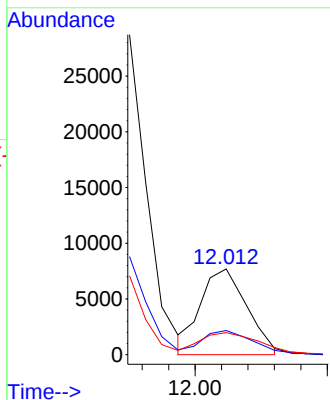
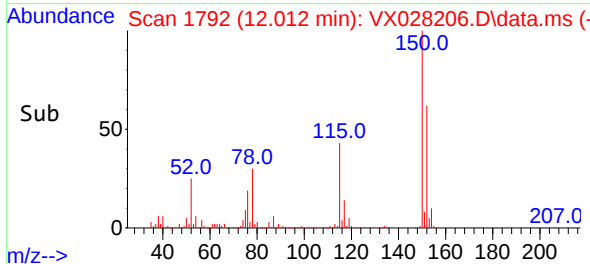
Instrument :
MSVOA_X
ClientSampleId :
31573



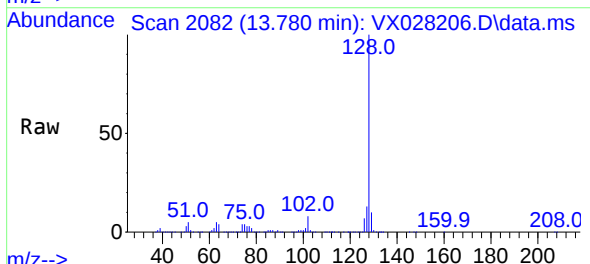
Tgt Ion:119 Resp: 9390
Ion Ratio Lower Upper
119 100
134 117.2 13.0 39.0
91 95.6 11.3 33.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#95
Naphthalene
Concen: 11.545 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX028206.D
Acq: 20 Apr 2022 18:31



Tgt Ion:128 Resp: 268970
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.2 8.7 13.1

